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STATE OF MONTANA

Fifteenth Annual Report

OF THE

Industrial Accident Board

For the Twelve Months Ending June 30th

1930

SAFETY



FIRST!

Workmen's Compensation Act

In Effect July 1st, 1915, as to
Compensation Provisions

MEMBERS OF THE BOARD

J. BURKE CLEMENTS, Chairman

GEO. P. PORTER, State Auditor

A. H. STAFFORD, Commissioner of Agriculture

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BUREAUS AND BUREAU HEADS

Bureau of Claims.....	G. G. Watt.....	Secretary of Board
	Nell O'Connell.....	Assistant Secretary
Bureau of Accounts.....	H. O. Mead.....	Chief Accountant
Bureau of Safety.....	Duncan McRae.....	Clerk of Bureau
Bureau of Rehabilitation.....	Leif Fredericks.....	Rehabilitation Agent

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LETTER OF TRANSMITTAL

Helena, Montana,
September 30, 1930.

To His Excellency, J. E. Erickson,
Governor of the State of Montana.

Sir:

Pursuant to Section 2969, Revised Codes of Montana 1921, we have the honor to transmit herewith our Fifteenth Annual Report, covering the administration of the Workmen's Compensation Act, Safety Inspection Laws, Boiler Inspection Laws, Stationary Engineers' License Laws, Quartz Mine Inspection Laws, Coal Mine Inspection Laws, by the Industrial Accident Board, and the law pertaining to Industrial Rehabilitation, for the twelve months ending June 30th, 1930.

Respectfully submitted,

INDUSTRIAL ACCIDENT BOARD,
J. BURKE CLEMENTS, Chairman,
GEORGE P. PORTER,
A. H. STAFFORD.

REPORT OF
THE INDUSTRIAL ACCIDENT BOARD OF THE
STATE OF MONTANA

FOREWORD

Under the provisions of the Revised Codes of Montana, relating to the annual report of the activities of the Industrial Accident Board, there has been compiled such a report, which the Board expects will give accurate information regarding each activity that is of importance.

Some matters which have been discussed heretofore in previous reports have been omitted because of their lack of importance, the Board being of the opinion that its duties have to do with the administration of the law only and that its report should be confined to matters that have been accomplished in the department.

A condensed statement of the number of accidents under each of the three plans is given herein for the fiscal year ending June 30, 1930. This table gives the total volume of business transacted through the department of claims during the fiscal year and shows the classifications under which the several cases are segregated. A second table gives the identical data for the fifteen year period during which the compensation law has been effective.

STATISTICAL STATEMENT FOR YEAR ENDING JUNE 30, 1930

	Plan One	Plan Two	Plan Three	All Plans
Number Employers Under Act June 30, 1930.....	53	1,691	1,847	3,591
Number Employees Under Act June 30, 1930.....	23,291	16,268	19,648	59,207
Number Fatal Accidents.....	56	13	25	94
Number Permanent Total Disability.....	2	0	1	3
Number Permanent Partial Disability.....	58	19	36	113
Number Temporary Disability over 14 days.....	1,412	609	1,093	3,114
Number Temporary Disability less than 14 days.....	1,311	2,061	2,199	5,571
Number Total Accidents.....	2,839	2,702	3,354	8,895
Disbursed for Funeral Expense.....	\$ 6,786.00	\$ 1,050.00	\$ 6,200.00	\$ 14,036.00
Disbursed for Medical Expense.....	9,004.60	59,514.26	94,687.48	163,206.34
Disbursed for Fatal Accidents.....	147,465.92	28,971.80	87,797.15	264,234.87
Disbursed for Permanent Total Disability.....	2,932.00	816.00	31,083.37	34,831.37
Disbursed for Permanent Partial Disability.....	39,911.73	10,634.74	85,435.14	135,981.61
Disbursed for Temporary Total Disability.....	344,260.24	81,592.14	135,708.84	561,561.22
Total Compensation Payments.....	\$550,360.49	\$182,578.94	\$440,911.98	\$1,173,851.41
Lump Sum Payments Fatal Cases.....	\$ 51,712.26	\$ 4,829.41	\$ 9,454.92	\$ 65,996.59
Lump Sum Payments Non-Fatal Cases.....	\$ 82,730.46	\$ 28,532.97	\$ 35,566.83	\$ 146,830.26

INDUSTRIAL ACCIDENT BOARD

STATISTICAL STATEMENT FOR FIFTEEN YEAR PERIOD ENDING JUNE 30, 1930.

	Plan One	Plan Two	Plan Three	All Plans
Number Fatal Accidents.....	1,110	179	313	1,602
Number Permanent Total Disability.....	37	8	14	59
Number Permanent Partial Disability.....	1,010	363	425	1,798
Number Temporary Disability over 14 days.....	14,874	4,992	7,549	27,415
Number Temporary Disability less than 14 days.....	32,816	17,576	11,762	62,154
Number Total Accidents.....	49,847	23,118	20,063	93,028
Disbursed for Funeral Expense.....	\$ 99,797.96	\$ 13,053.90	\$ 35,819.25	\$ 148,671.11
Disbursed for Medical Expense.....	72,165.89	377,176.61	464,828.16	914,170.66
Disbursed for Fatal Accidents.....	2,196,156.51	302,743.29	651,741.15	3,150,640.95
Disbursed for Permanent Total Disability.....	142,486.41	35,131.27	145,811.72	323,429.40
Disbursed for Permanent Partial Disability.....	590,002.27	145,288.93	536,081.80	1,271,373.00
Disbursed for Temporary Total Disability.....	2,344,896.52	491,204.09	895,314.69	3,731,415.30
Total Compensation Payments.....	\$5,445,505.56	\$1,364,598.09	\$2,729,596.77	\$9,539,700.42
Lump Sum Payments Fatal Cases.....	\$1,726,804.72	\$ 148,908.71	\$ 410,559.21	\$2,286,272.64
Lump Sum Payments Non-Fatal Cases.....	\$ 873,246.17	\$ 203,445.34	\$ 449,013.60	\$1,525,705.11

A comparative accident record for fifteen years during which the law has been effective is given in the following tables:

COMPARATIVE ACCIDENT RECORD FOR FIFTEEN YEARS

	Average 1st 5 yrs.	6th yr.	7th yr.	8th yr.	9th yr.	10th yr.	11th yr.	12th yr.	13th yr.	14th yr.	15th yr.
Fatal Accidents	156.4	83	51	81	87	79	78	93	85	89	94
Totally Disabled	4.4	3	3	6	1	0	0	14	6	3	3
Partially Disabled	139.6	124	76	76	70	72	118	162	149	141	113
Paid Disability Compensation	1,634.8	1,299	1,059	1,493	1,778	1,771	2,256	2,344	2,294	2,397	3,114
Return to Work in 14 days	4,331.8	2,349	2,179	3,473	3,853	3,894	4,352	4,266	4,434	5,734	5,571
Total Accidents	6,267.0	3,858	3,368	5,129	5,789	5,816	6,804	6,879	7,018	8,364	8,895

COMPARATIVE ACCIDENT PERCENTAGES FOR FIFTEEN YEARS

	Average 1st 5 yrs.	6th yr.	7th yr.	8th yr.	9th yr.	10th yr.	11th yr.	12th yr.	13th yr.	14th yr.	15th yr.
Number Employers Under Act	1,728	2,520	2,557	2,696	2,811	2,946	2,668	3,007	3,238	3,488	3,591
Number Employees Under Act*	70,000	53,600	53,700	53,900	53,206	54,513	50,586	53,638	55,581	56,548	59,207
Per Cent Injured	8.80	7.00	6.00	9.50	10.88	10.86	13.45	12.82	12.63	14.79	15.02
Per Cent Compensable	2.33	2.81	2.20	2.87	3.30	3.53	4.86	4.87	4.56	4.65	5.61

* Taken from old reports. Evidently based on estimates rather than actual count, and probably at least 20,000 in excess of actual number of workmen under Act during the period.

INDUSTRIAL ACCIDENT BOARD

ACCIDENTS CAUSING TEMPORARY TOTAL DISABILITY

(Classified as to Nature of Injury.)

From July 1, 1915, to June 30, 1930.

	Fracture	Contusions	Lacerations	Sprains	Dislocations	Metal Burns	Non-Metal Burns	Injured Eyes	Internal Injuries	Poison and Infection	Hernia	All Others	Transfer	Totals
PLAN No. 1.....	6,102	16,982	14,101	4,247	352	230	726	2,188	119	1,324	139	1,600	420	47,690
PLAN NO. 2.....	1,750	6,415	5,703	2,536	246	75	1,101	2,082	98	1,482	79	1,168	167	22,568
PLAN NO. 3.....	2,640	5,945	4,061	2,298	279	33	526	1,495	90	948	101	1,029	134	19,311
TOTAL ALL PLANS.....	10,492	29,342	23,865	9,081	877	338	2,353	5,765	307	3,754	319	3,797	721	89,569

ACCIDENTS CAUSING PERMANENT PARTIAL DISABILITY

(Classified as to Part of Body Affected)

From July 1, 1915, to June 30, 1930.

	Thumb, 1 Phalange	Thumb, Entire	Index Finger, 1 Phalange	Index Finger, Entire	One other Finger, 1 Phalange	One Other Finger, Entire	Thumb and Finger, 1 Phalange	Thumb and Finger, Entire	Two or more fingers, 1 Phalange	Two or more fingers, Entire	Hand	Arm	Great Toe	One other Toe	Two or more Toes	Foot	Legs	Eye	Ear	All Others	Totals
PLAN No. 1.....	51	21	109	50	230	88	3	6	37	30	23	33	19	48	25	19	64	96	2	18	972
PLAN NO. 2.....	17	6	54	23	79	36	3	1	21	17	9	9	8	13	5	12	30	.....	8	351	
PLAN NO. 3.....	25	16	41	24	85	35	8	1	22	23	15	10	3	19	7	4	13	50	.....	4	405
TOTAL ALL PLANS.....	93	43	204	97	394	159	14	8	80	70	47	52	22	75	45	28	89	176	2	30	1,728

PERMANENT TOTAL DISABILITY ACCIDENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930

EXPLANATORY: The showing that there have been only fifty-nine accidents causing permanent total disability during the fifteen years that the Act has been in effect may lead to wrong conclusions, unless the showing is explained.

Very severe injuries following accidents ordinarily result in either the death of the workman or his permanent disability. Permanent total disability means permanent inability to perform any useful work. Ordinarily, when death does not follow severe injuries to a workman, he ultimately recovers to the extent that he may perform some work. Frequently, the recovery is only sufficient to permit him to regain fifteen, twenty, twenty-five or thirty per cent of his former functions. In these cases, however, the injured workman becomes not a permanent total disability but a permanent partial disability with a heavy percentage of disability. Any disability less than total is classified as partial. There have been only fifty-nine cases in which injured workmen were finally classified as total disabilities. There have been hundreds of cases in which they were classified as permanent partial disabilities, with disability ratings of seventy-five to ninety per cent.

PERMANENT TOTAL DISABILITY ACCIDENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930

INDUSTRY	Plan No. 1	Plan No. 2	Plan No. 3	All Plans
Beet Sugar Mfg.....	....	1	....	1
Bridges, Span 20 feet or less.....	....	1	....	1
Carpentry, Bridges Wooden, N. O. C.....	....	....	2	2
Elec. Light & Power Plants, operation.....	1	....	....	1
Farm Labor .....	....	....	1	1
Grain Elevators, operation.....	....	1	1	2
Logging and Lumbering.....	1	....	....	1
Mining Coal	1	2	1	4
Mining Metals	31	2	5	38
Smelters, operation of.....	3	....	....	3
Stores Handling Heavy Mdse.....	....	1	....	1
Street or Road Construction, Excluding Tunneling.....	....	....	3	3
Water, Gas and Steam Mains Const.....	....	....	1	1
TOTALS.....	37	8	14	59

FATAL ACCIDENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930

INDUSTRY	Plan No. 1	Plan No. 2	Plan No. 3	All Plans
Agricultural Machinery Mfg.....	1	...	...	1
Auditors, Accountants, and Office Clerks.....	...	2	...	2
Beet Sugar Manufacturing.....	...	9	...	9
Brick and Tile Manufacturing.....	...	1	1	2
Bridges, Masonry.....	...	1	1	2
Bridges, Span 20 feet or less.....	...	...	11	11
Butchering, Including Handling Livestock.....	...	3	...	3
Carpentry, N. O. C. Wooden Bridges.....	1	4	4	9
Cement and Plaster Mfg., Excluding Quarrying.....	...	8	4	12
Chauffeurs and Helpers, Commercial.....	...	3	...	3
Concrete Construction, Except Paving.....	...	1	2	3
Cooks and Waiters in Camp.....	...	...	1	1
Creameries, Dairies, Excluding Farming.....	...	4	...	4
Dam and Reservoir Construction.....	3	...	4	7
Electric Light and Power Plants.....	40	2	1	43
Farm Labor.....	...	3	3	6
Farm Machinery, Operation by Contractors.....	...	1	...	1
Firemen, Fire Depts., Including D. C. & H.....	...	...	2	2
Foundries, Iron and Steel.....	...	1	3	4
Garages, Tire Dealers, Gas Stations.....	...	7	1	8
Gas Works—Operation.....	...	...	2	2
Grain Elevators, Operation.....	...	8	...	8
Gravel Pit Operation.....	1	...	1	2
Hotels, Restaurants & Clubs, N. O. C.....	...	1	...	1
Ice Harvesting and Storing.....	...	1	...	1
Iron and Steel Erection and Repair.....	...	...	1	1
Irrigation Works, Operation.....	...	...	1	1
Janitors, Caretakers, Parks and Buildings.....	...	...	2	2
Laundries, Cleaning and Dyeing.....	...	...	2	2
Lime Manufacturing Including Quarrying.....	...	1	...	1
Logging and Lumbering.....	35	3	43	81
Lumber Yards and Fuel Dealers.....	...	9	1	10
Milling Grain and Feed.....	...	1	1	2
Mining Coal.....	129	8	32	169
Mining Metals.....	747	52	94	893
Oil Refining—Gasoline Manufacturing.....	...	5	4	9
Oil Wells—Development, Including Shooting.....	4	10	4	18
Oil Wells, Operation.....	...	...	1	1
Ore Milling, No Mining.....	5	1	3	9
Painting and Decorating, Exterior.....	...	1	...	1
Paving and Road Surfacing.....	...	...	3	3
Pile Driving.....	...	...	1	1
Policemen and Peace Officers.....	...	...	11	11
Planning and Moulding Mills.....	...	...	1	1
Plumbing and Steam Fitting.....	...	...	3	3
Printing and Bookbinding.....	1	...	...	1
Quarries, N. P. D.....	1	...	...	1
Railroad Construction, Excluding Bridge Building.....	...	10	9	19
Railroad, Electric, Operation and Maintenance.....	4	...	1	5
Road and Street Construction.....	...	2	31	33
Salesmen and Collectors, Outside.....	1	1	...	2
Saw and Lath Mills.....	24	1	10	35
Sewer Disposal and Plant Operation.....	...	...	3	3
Sewer Construction.....	...	...	2	2
Smelters, Operation.....	108	3	...	111
Steam Heating Plants, Operation.....	...	1	...	1
Stone Cutting and Polishing, No Quarrying.....	...	...	1	1
Stores, Handling Light Mdse.....	...	4	...	4
Stores Handling Heavy Mdse.....	...	2	...	2
Tel. and Tel., Operation and Maintenance.....	5	...	1	6
Truckmen and Draymen.....	...	1	...	1
Water, Gas and Steam Mains, Construction.....	1	1	2	4
Waterworks, Operation.....	...	1	4	5
TOTAL.....	1110	179	313	1602

ACCIDENTS CLASSIFIED AS TO DEGREE OF DISABILITY

 From July 1, 1915, to June 30, 1930

Degree of Disability	Compensation Paid (Inclusive of Burial, Exclusive of Medical and Hospital)	Number of Accidents
PLAN ONE		
Temporary Total.....	\$2,344,896.52	47,690
Permanent Partial.....	59,002.27	1,010
Permanent Total.....	142,486.41	37
Fatal.....	2,295,954.47	1,110
	<hr/> \$5,373,339.67	<hr/> 49,847
PLAN TWO		
Temporary Total.....	\$ 491,204.09	22,568
Permanent Partial.....	145,288.93	363
Permanent Total.....	35,131.27	8
Fatal.....	315,797.19	179
	<hr/> \$ 987,421.48	<hr/> 23,118
PLAN THREE		
Temporary Total.....	\$ 895,314.69	19,311
Permanent Partial.....	536,081.80	425
Permanent Total.....	145,811.72	14
Fatal.....	687,560.40	313
	<hr/> \$2,264,768.61	<hr/> 20,063
TOTAL ALL PLANS		
PLAN NO. 1.....	\$5,373,339.67	49,847
PLAN NO. 2.....	987,421.48	23,118
PLAN NO. 3.....	2,264,768.61	20,063
	<hr/> \$8,625,529.76	<hr/> 93,028

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

PLAN NO. ONE

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Agricultural Machinery Mfg.	\$ 3,600.00	\$ 2.00	\$.....	\$ 3,602.00
Auditors, Accts., Office Clerks.....	3,466.09	508.35	.....	3,974.44
Auto Garages.....	96.00	274.50	.....	370.50
Bakeries & Confectionery Mfg.....	2,017.89	23.00	.....	2,040.89
Beet Sugar Manufacturing.....	2,723.16	1,352.21	.....	4,075.37
Bridges, Span 20 feet or less.....	85.00	.....	.....	85.00
Building Moving and Wrecking.....	951.66	345.65	150.00	1,447.31
Butchering, Inc. Handling Lvstk.....	55.00	107.50	.....	162.50
Carpentry, N. O. C.....	1,897.08	50.00	150.00	2,097.08
Cement and Plaster Mfg.....	5,786.98	719.83	.....	6,506.81
Chauffeurs and Helpers.....	.....	159.75	.....	159.75
Creameries and Dairies.....	67.50	.....	.....	67.50
Elec. Fix. & Wiring, Inside.....	12.50	32.50	.....	45.00
Elec. Lt. & Power Lines, Const.....	268.00	.....	.....	268.00
Elec. Lt. & Power Plants, Opern.....	144,469.49	5,581.34	4,216.98	154,267.81
Elevators, Frt. & Passenger, Inst.....	.....	24.00	.....	24.00
Farm Labor.....	60.48	.....	.....	60.48
Farm Mch. Op. by Contractors.....	308.14	54.00	.....	362.14
Foundries, Iron and Steel.....	590.61	306.75	.....	897.36
Fuel & Material Dealers.....	1,902.73	458.85	150.00	2,511.58
Gas Works, Operation.....	140.00	264.30	.....	404.30
Grain Elevators.....	210.00	582.60	.....	792.60
High Explosives, Mfg.....	314.94	.....	.....	314.94
Hotels & Restaurants.....	1,608.00	376.54	.....	1,984.54
Ice Harvesting & Storing.....	447.82	206.00	.....	653.82
Iron & Steel Erec. & Repairing.....	382.50	617.66	.....	1,000.16
Irrigation and Drainage, Const.....	8,295.24	.....	490.84	8,786.08
Laundries, Cleaning and Dyeing.....	110.60	133.00	.....	243.60
Logging and Lumbering.....	134,060.60	964.79	1,465.00	136,490.39
Lumber Yards, Inc. D. C. & H.....	30.71	.....	.....	30.71
Machinery, Heavy, Installation.....	362.60	99.50	.....	462.10
Machine Shops, Excdg. Foundry.....	569.42	74.25	.....	643.67
Milling, Grain and Feed.....	114.54	61.04	.....	175.58
Millwright Work.....	83.50	.....	.....	83.50
Mining Coal.....	91,939.61	10,252.68	9,915.90	712,108.19
Mining Metals.....	3,415,133.22	1,121.96	74,919.50	3,491,174.68
Oil Wells, Operation.....	222.19	1,468.40	.....	1,690.59
Oil Wells, Development, Shooting.....	15,678.26	6,894.76	865.34	23,438.36
Ore Milling, No Mining.....	24,681.43	5,221.51	200.00	30,102.94
Planning & Moulding Mills.....	4,312.00	101.00	.....	4,413.00
Plumbing & Steam Fitting.....	.....	7.50	.....	7.50
Printing and Bookbinding.....	6,544.25	523.00	.....	7,067.25
Quarries, N. P. D.....	10.00	.....	.....	10.00
R. R. Const., Excl. Bridge Bldg.....	221.65	.....	.....	221.65
R. R., Electric, Operation.....	26,991.95	587.75	425.00	28,004.70
R. R., Steam, Operation.....	64.80	.....	.....	64.80
Salesmen & Collectors, Outside.....	21.26	28.00	.....	49.26
Saw and Lath Mills.....	115,154.99	3,924.55	3,126.26	122,205.80
Smelters, Operation.....	602,826.03	442.19	3,125.00	606,393.22
Storage, Incl. Hndly. & Packing.....	1,070.58	799.20	.....	1,869.78
Stores Handling Light Mdse.....	27.50	.....	.....	27.50
Stores Handling Heavy Mdse.....	92.05	158.00	.....	250.05
Stores Handl. Hvy Mch. & Imps.....	570.24	58.00	373.14	1,001.38
Tanning.....	84.00	278.95	.....	362.95
Tel. & Tel. Office & Exchange.....	513.03	.....	.....	513.03
Tel. & Tel. Operation & Mainte.....	46,547.77	26,015.78	150.00	72,713.55
Truckmen, Draymen & Helpers.....	1,375.00	.....	.....	1,375.00
Waterworks, Operation.....	2,632.00	185.50	.....	2,817.50
Water, Steam & Gas Mnt.-Const.....	1,428.55	717.25	75.00	2,220.80
Wire Drawing & Cable Mfg.....	310.57	.....	.....	310.57
TOTALS	\$5,273,541.71	\$ 72,165.89	\$ 99,797.96	\$5,445,505.56

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

PLAN TWO

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Aircrafts Operation, Trick and Stunt Flying.....	\$ 17.00	\$	\$	\$ 17.00
Asylums and Hospitals.....	1,031.21	600.91	.....	1,632.12
Auditors, Accts, Office Clerks.....	18,377.08	15,042.69	125.00	33,544.77
Automatic Sprinkler, Installation.....	.....	21.00	.....	21.00
Auto Garages and Tire Dealers.....	78,473.17	49,867.27	575.00	128,915.44
Auto Livery and Taxi Stations.....	529.65	598.00	.....	1,127.65
Auto Painting.....	.....	204.50	.....	204.50
Awning and Tent Erection.....	534.29	154.00	.....	688.29
Bakeries, Confectionery Mfg.....	10,819.81	6,181.60	.....	17,001.41
Beet Sugar Manufacturing.....	59,312.30	18,264.89	525.00	78,102.19
Billiard Halls, Bowling Alleys.....	52.34	290.00	.....	342.34
Bill Posting.....	.....	52.50	.....	52.50
Blacksmithing.....	856.97	2,190.54	.....	3,047.51
Boot and Shoe Mfg. and Repair.....	.....	93.00	.....	93.00
Bottling Works and Breweries.....	210.80	650.50	.....	861.30
Brick and Tile Manufacturing.....	3,285.05	2,136.95	.....	5,422.00
Bridges—Metal.....	667.99	1,589.95	.....	2,257.94
Bridges, Span 20 feet or less.....	4,670.78	669.72	.....	5,340.50
Building Moving and Wrecking.....	.....	3.00	.....	3.00
Butchering, Inc. Handling Lvstk.....	33,109.92	9,902.10	75.00	43,087.02
Cabinet Works, Power Machy.....	259.03	305.00	.....	564.03
Canneries, N. O. C.....	4,919.12	2,832.50	.....	7,751.62
Carpentry Inst., Interior Trim.....	5.00	12.00	.....	17.00
Carpentry, Bridges, etc.....	39,361.27	15,589.94	75.00	55,026.21
Carpentry Shops Only.....	81.00	.....	.....	81.00
Cement and Plaster Mfg.....	18,082.65	476.80	600.00	19,159.45
Chauffeurs and Helpers.....	12,533.99	3,230.23	225.00	16,039.22
Cigar Manufacturing.....	.....	155.54	.....	155.54
Coal Docks, Operation Mechanical.....	3,073.52	1,859.45	.....	4,932.97
Concrete Const. Excl. Paving.....	11,186.53	1,681.05	.....	12,867.58
Concrete Walks and Curbs.....	.....	50.00	.....	50.00
Contractors, P. & R. etc.....	15,484.00	6,148.95	.....	21,632.95
Cooks and Waiters in camp.....	458.93	112.00	.....	570.93
Creameries and Dairies.....	26,115.09	11,621.37	225.00	37,961.46
Dredging—All Operations.....	126.00	.....	.....	126.00
Elec. App. Inst. & Repair, outside.....	1,121.67	567.75	.....	1,689.42
Elec. Fixtures, inside wiring.....	1,143.19	2,306.05	.....	3,449.24
Elec. Light & Power Plants.....	854.25	1,040.80	150.00	2,045.05
Elevators, Frt. & Pass. Install.....	.....	43.00	.....	43.00
Engineers, Civil Surveyors.....	17.14	.....	.....	17.14
Excavations.....	2,323.30	314.50	.....	2,637.80
Farm Labor.....	27,461.92	30,977.49	565.00	59,004.41
Farm Machinery Opern. Contr.....	.....	11.00	.....	11.00
Florists and Seed Merchants.....	424.07	495.15	.....	919.22
Foundries, Iron and Steel.....	9,464.59	2,530.80	.....	11,995.39
Fuel and Material Dealers.....	27,444.11	12,770.47	525.00	40,739.58
Gas Works Operation.....	4,679.69	2,917.10	.....	7,596.79
Gasoline Service Stations.....	519.99	316.00	.....	835.99
Glaziers.....	.....	283.50	.....	283.50
Grain Elevators.....	37,206.87	12,718.56	350.00	50,275.43
Gravel Pit Operation.....	3,731.76	1,279.75	.....	5,011.51
Harness and Saddle Mfg.....	675.00	799.43	.....	1,474.43
Hvy. Grain and Feed Dealers.....	1,688.60	326.50	.....	2,015.10
Hotels and Restaurants.....	5,539.67	9,551.31	.....	15,090.98
Ice Harvesting and Storing.....	4,338.23	3,203.42	.....	7,541.65
Ice Manufacturing.....	1,334.79	620.50	.....	1,955.29
Irrigation & Drainage Const.....	389.20	386.50	.....	775.70
Irrigation Works Operation.....	374.78	79.50	.....	454.28
Janitors.....	5,421.93	1,319.05	75.00	6,815.98
Lathing and Plastering.....	1,135.51	735.50	.....	1,871.01
Laundries, Cleaning & Pressing.....	8,329.60	11,511.65	.....	19,841.25
Lime Mfg., Incl. Quarrying.....	.....	33.00	75.00	108.00
Logging and Lumbering.....	14,475.26	1,189.30	300.00	15,964.56
Lumber Yards, Incl. D. C. & H.....	65.19	28.00	.....	93.19
Machinery, Heavy Installation.....	1,705.72	1,067.85	75.00	2,848.57
Machine Shops, Excl. Foundry.....	3,040.48	4,022.35	.....	7,062.83
Marble & Stone Setting, Ins.de.....	203.00	141.35	.....	344.35
Masonry—N. O. C.....	922.23	1,749.25	.....	2,671.48
Mattress Manufacturing.....	406.47	117.00	.....	523.47
Milling, Grain and Feed.....	13,495.45	12,426.59	275.00	26,197.04

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

PLAN TWO (Continued)

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Millwright Work, N. O. C.....	60.00	53.50	.....	113.50
Mining Coal.....	30,768.92	1,023.10	600.00	32,392.02
Mining Metals.....	214,045.03	6,304.03	3,825.00	224,174.06
Nurseries—All Operations.....	511.15	537.25	.....	1,048.40
Oil Dist. Inc. D. C. & H.....	514.63	704.00	.....	1,218.63
Oil Refining.....	21,203.46	5,979.79	450.00	30,633.25
Wells, Operations.....	1,168.46	497.50	.....	1,665.96
Oil Wells, Development, Shooting.....	42,779.66	21,864.46	750.00	65,394.12
Oil Transportation, Pipeline.....	693.53	668.45	.....	1,361.98
Optical Goods Mfg.....	.....	38.00	.....	38.00
Ore Milling—No Mining.....	2,146.36	335.94	150.00	2,632.30
Painting & Paperhanging, Int.....	258.21	1,474.75	.....	1,732.96
Painting, Exterior.....	7,881.95	1,442.04	150.00	9,473.99
Paving and Road Surfacing.....	67.50	154.00	.....	221.50
Planning & Moulding Mills.....	1,443.84	383.00	.....	1,826.84
Plumbing and Steam Fitting.....	6,080.61	6,311.07	400.00	12,791.68
Printing & Bookbinding.....	3,902.32	5,828.30	.....	9,730.62
Produce Dealing.....	2,225.37	1,942.25	.....	4,167.62
Quarries, N. P. D.....	1,588.74	356.50	.....	1,945.24
R. R. Const. Excl. Bridge Bldg.....	28,289.93	10,269.15	788.90	39,347.98
R. R. Electric, Operations.....	56.25	65.00	.....	121.25
R. R., Steam, Operation.....	46.26	128.50	.....	174.76
Road or Street Construction.....	9,049.41	2,308.76	225.00	11,583.17
Roofing—All Kinds.....	2,708.89	628.50	.....	3,337.39
Safe Moving, Incl. D. C. & H.....	195.75	46.00	.....	241.75
Salesmen & Collectors, Outside.....	1,203.93	441.25	150.00	1,795.18
Sash Door & Blind Mfg.....	987.55	416.50	.....	1,404.05
Saw & Lath Mills.....	12,259.43	1,532.85	150.00	13,942.28
Sewer Disposal & Plant Operation.....	4,565.63	37.00	.....	4,602.63
Sheet Metal Work, Exterior.....	2,242.98	1,621.75	.....	3,864.73
Sheet Metal Work, Shop & Int.....	998.81	1,139.35	.....	2,138.16
Smelters—Operation.....	2,504.25	200.00	.....	2,704.25
Soap & Soap Powder Mfg.....	20.00	32.00	.....	52.00
Steam Heating Plants.....	.....	3.00	.....	3.00
Stone Cut. & Pol.—No Quarrying.....	903.07	200.00	.....	1,103.07
Storage, Incl. Handlg. & Packing.....	1,022.78	536.65	.....	1,559.43
Stores, Meat, Fish & Poultry.....	2,959.99	3,470.75	.....	6,430.74
Stores Handling Light Mdse.....	8,443.53	10,260.40	150.00	18,853.93
Stores Handling Heavy Mdse.....	14,174.90	7,504.75	150.00	21,829.65
Stores Handling Heavy Mch. & Implements.....	2,935.11	2,136.80	150.00	5,221.91
Tanning.....	640.00	.....	.....	640.00
Tel. & Tel., Operation.....	81.43	169.50	.....	250.93
Theatres, Managers, Ushers, etc.....	288.00	207.00	.....	495.00
Theatres & Picture Film Exchs.....	4,667.50	1,935.60	.....	6,603.10
Truckmen—Draymen & Helpers.....	6,024.09	2,652.60	150.00	8,826.69
Undertakers, Inc. D. C. & H.....	29.23	322.00	.....	351.23
Waterworks—Operation.....	2,862.39	1,693.00	.....	4,555.39
Water, Steam & Gas Mains, Cons.....	29.84	617.00	.....	646.84
GRAND TOTAL.....	\$974,098.82	\$376,991.51	\$13,053.90	\$1,364,144.23

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

PLAN THREE

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Acid Mfg.....	\$	\$ 57.00	\$	\$ 57.00
Analytical Chemists, Assaying.....	.....	12.00	.....	12.00
Asphalt Works Shop and Yard.....	.....	5.00	.....	5.00
Asylums and Hospitals.....	3,545.89	1,446.95	.....	4,992.84
Asylums, Attendants & Guards.....	1,413.53	554.00	.....	1,967.53
Auditors, Accts. & Office Clerks.....	2,263.49	873.40	150.00	3,286.89
Auto Garages & Service Stations.....	14,770.86	12,400.15	150.00	27,321.01
Auto Livery & Taxi Stations.....	62.30	29.00	.....	91.30
Auto Painting & Upholstering.....	210.00	82.50	.....	292.50
Eakeries and Confectionery Mfg.....	1,662.08	3,841.05	.....	5,476.13
Beet Sugar Mfg.....	2,333.66	1,907.80	.....	4,241.46
Bill Posting, Incl. D. C. H.....	.....	20.00	.....	20.00
Blacksmithing.....	2,142.52	860.75	.....	3,003.27
Billiard Halls & Bowling Alleys.....	50.11	28.50	.....	78.64
Bookbinding and Printing.....	4,694.42	4,588.10	.....	9,282.52
Board of Entomology, Employees.....	14.43	431.50	.....	445.93
Bottling Works.....	122.52	302.00	.....	424.52
Brick and Tile Mfg.....	1,638.56	1,490.25	75.00	3,253.81
Bridges, Span 20 feet or less.....	33,252.15	8,116.23	875.00	42,243.38
Brush and Broom Mfg.....	42.46	32.50	.....	74.96
Building Moving, all operations, Wrecking.....	348.84	709.70	.....	1,058.54
Butchering, Inc. Handling Livstk.....	6,615.00	4,004.25	.....	10,619.25
Cabinet Works, Power Machinery.....	1,285.25	601.90	.....	1,887.15
Canneries.....	453.80	1,720.00	.....	2,173.80
Carpentry Inst., Interior Trim.....	230.00	125.00	.....	355.00
Carpentry, Shop Only.....	815.50	329.00	.....	1,144.50
Carpentry, Wooden Bridges, etc.....	72,218.97	19,113.25	200.00	91,532.22
Cement and Plaster Mfg.....	26,769.33	748.75	500.00	28,018.08
Cemeteries, Operations.....	192.00	500.00	150.00	842.00
Chauffeurs and Helpers.....	10,459.90	7,761.05	75.00	18,295.95
Chemical Manufacturing.....	.....	78.00	.....	78.00
Coal Merchants, Handlg Coal Ex.....	1,655.11	1,878.25	.....	3,533.36
Commissary Work, Cooks & Wtrs.....	2,774.72	2,354.17	150.00	5,278.89
Concrete Const., Except Paving.....	7,970.32	3,410.01	300.00	11,680.33
Concrete Walks & Curbs.....	30.00	191.50	.....	221.50
Contractors, Const. Pr. Res., etc.....	14,905.37	12,998.95	150.00	28,054.32
Creameries.....	1,627.47	2,848.90	.....	4,476.37
Dams, Coffe, Constr.....	4,728.11	58.50	.....	4,786.61
Elec. Fixt. Wiring, Inside.....	972.55	1,058.30	.....	2,030.85
Elec. Apparatus Inst. & Rep.....	.....	.....	.....	.....
Millwright Work.....	1,366.45	477.30	.....	1,843.75
Elec. Lt. & Power Lines, Constr.....	47.25	403.35	.....	450.60
Elec. Lt. & Power Plants, Oper.....	17,212.81	4,229.08	150.00	21,591.89
Engineers, Civil & Mechanic.....	92.55	192.80	.....	285.35
Excavating.....	1,632.50	785.65	75.00	2,493.15
Farm Labor.....	25,439.90	11,325.16	450.00	40,215.06
Farm Machinery, Oper. Cont.....	2,699.95	886.95	.....	3,586.90
Fertilizer, Mixg. Plants, Garbage.....	11,283.91	3,805.75	.....	15,089.66
Firemen, Fire Departments.....	1,151.63	2,057.85	125.00	3,334.48
Fire Patrol, Forest Fire Fighters.....	986.30	965.25	.....	1,951.55
Foundry, Iron & Steel.....	2,241.65	1,091.95	150.00	3,483.60
Florists & Seed Merchants.....	3,789.22	520.15	.....	4,309.37
Fuel & Material Dealers.....	30,783.14	8,136.07	125.00	39,044.21
Gas Works, Operation.....	6,837.38	1,245.65	300.00	8,383.03
Gasoline Service Stations.....	141.07	121.50	.....	262.57
Glaziers.....	317.40	590.25	.....	907.65
Grain Elevators.....	14,285.42	2,659.63	.....	16,945.05
Gravel Pits, Operation.....	24,857.20	5,506.52	275.00	30,638.72
Hay, Grain & Feed Dealers.....	.....	5.00	.....	5.00
Hotels, Restaurants & Clubs.....	9,959.37	4,577.45	75.00	13,711.82
Ice Dealers.....	2,045.03	2,592.25	.....	4,637.28
Ice Harvesting & Storage.....	15,745.42	6,546.10	125.00	22,416.52
Iron & Steel Erec. & Rep.....	7,922.87	3,808.75	150.00	11,881.62
Irrigation or Drainage Syst. Con.....	8,348.93	3,102.45	448.00	11,899.38
Irrigation Works, Operation.....	5,634.69	1,310.60	150.00	7,095.29
Janitors.....	23,880.53	6,058.00	300.00	30,238.53
Junk Dealers.....	6,068.26	1,983.30	150.00	8,206.56
Laboratory Work—Board Health.....	.....	.....	.....	.....
Livestock.....	.....	3.00	.....	3.00
Lathing & Plastering.....	1,789.80	493.60	.....	2,283.40

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

PLAN THREE (Continued)

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Laundries, Cleaning & Dyeing.....	3,290.36	2,584.26	.....	5,874.72
Lime Mfg. Inc. Quarrying.....	2,448.34	612.30	.....	3,060.64
Logging & Lumbering.....	336,433.12	27,186.86	6,103.00	369,722.98
Lumber Yards, Incl. D. C. & H.....	860.30	396.75	.....	1,257.05
Machine Shops, Excl. Foundries.....	108.05	1,022.55	75.00	1,505.60
Machinery, Heavy Inst.....	15.00	35.00	.....	50.00
Marble & Stone Setting.....	125.03	54.00	.....	179.03
Masonry, Bridges, etc.....	8,913.10	4,107.29	.....	13,020.39
Mattress, Mfg.....	1,270.00	67.00	.....	1,337.00
Milling Grain and Feed.....	9,003.51	1,863.80	75.00	10,942.31
Mining Coal.....	196,627.41	22,199.99	3,225.00	222,052.40
Surface—Strip Mining Only.....	533.27	690.75	.....	1,224.02
Mining Metals.....	610,101.30	49,266.79	9,777.00	669,445.09
Mining Metals—Surface Only.....	4,257.81	1,659.50	.....	5,917.31
Nurseries, All Operations.....	28.10	127.35	.....	155.45
Oil Dist. Mixing etc.....	17.50	20.00	.....	37.50
Oil Refining & Gasoline Mfg.....	9,531.05	2,659.05	600.00	12,790.10
Oil Trans. Pipeline, etc.....	2,426.39	1,220.20	150.00	3,796.59
Oil Wells, Dev. & Shooting.....	43,587.03	17,788.94	627.25	62,003.22
Oil Wells, Operation.....	3,485.31	2,101.99	150.00	5,737.30
Ore Milling, No Mining.....	16,566.31	2,492.25	375.00	19,433.56
Painting & Paperhanging.....	1,342.68	2,206.55	.....	6,549.23
Painting & Decorating, Exterior.....	2,386.44	1,594.95	.....	3,981.39
Paving or Road Surfacing.....	23,347.45	10,522.55	524.00	34,394.00
Pile Driving.....	1,964.96	393.95	225.00	2,583.91
Planning and Moulding Mills.....	16,958.60	1,888.57	225.00	19,072.17
Plumbing & Steam Fitting.....	7,985.45	5,093.15	225.00	13,303.60
Policemen & Peace Officers.....	32,977.71	5,170.50	1,500.00	39,648.21
Produce Dealers.....	.....	30.00	.....	30.00
Quarries, N. P. D.....	8,952.30	1,138.60	.....	10,090.90
R. R. Const. Excl. Bridge Bldg.....	24,617.85	7,214.55	150.00	31,982.40
R. R. Elec., Opern. & Maint.....	2,593.00	146.05	150.00	2,889.05
R. R. Steam, Opern. & Maint.....	351.65	29.50	.....	381.15
Road or Street, Const.....	234,363.10	57,280.28	3,540.00	295,183.38
Roofing, All Kinds.....	482.15	277.00	.....	759.15
Safe Moving.....	339.67	205.00	.....	544.67
Salesmen & Collectors, Outside.....	661.19	927.50	.....	1,588.69
Sash Door & Blind Mfg.....	2,635.06	1,255.20	.....	3,890.26
Saw & Lath Mills.....	69,615.29	11,816.57	700.00	82,131.86
Sewer Disposal Plant Opern.....	5,354.41	595.20	325.00	6,274.61
Sewer Const. All Operations.....	9,173.30	1,825.90	225.00	11,224.20
Sheet Metal Works, Shop Only.....	139.56	1,090.75	.....	1,230.31
Sheet Metal Work, away from Shop (Exterior).....	239.50	588.00	.....	827.50
Smelters—Operation.....	543.05	209.00	.....	752.05
Soap or Soap Powder Mfg.....	243.25	366.25	.....	609.50
Steam, Gas & Water Mains.....	13,046.20	9,708.76	125.00	22,879.96
Steam Heating Plants Opern.....	37.50	727.95	.....	765.45
Stone Crushing, No Quarrying.....	471.28	611.95	.....	1,083.23
Stone Cutting & Polishing.....	1,413.37	942.00	150.00	2,505.37
Storage, Incl. Handlg. & Pkg.....	671.34	326.00	.....	997.34
Stores Handl. Light Mdse.....	1,893.05	2,212.70	.....	4,105.75
Stores Handlg. Heavy Mdse.....	1,067.06	1,808.85	.....	2,875.91
Stores, Meat, Fish & Poultry.....	2,393.43	2,243.25	.....	4,636.68
Stores, Heavy Machy. Impl.....	84.06	161.10	.....	245.16
Tel. & Tel. Office Exchange.....	160.70	45.50	.....	206.20
Tel. & Tel. Opern. & Maint.....	4,600.40	219.50	75.00	4,894.90
Truckmen, Draymen & Helpers.....	24,493.01	12,613.50	150.00	37,256.51
Tunneling, Other Than Mininlg.....	2,781.32	47.15	75.00	2,903.47
Vessels and Ferries.....	428.36	237.50	.....	665.86
Waterworks, Operation.....	26,845.09	6,068.15	475.00	33,388.24
Wood Preserving.....	85.40	29.00	.....	114.40
GRAND TOTAL.....	\$2,228,949.36	\$464,052.67	\$35,819.25	\$2,728,821.28

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

ALL PLANS

INDUSTRY	Compensation	Medical and Hospital	Burial	Total
Acid Mfg.....	\$	\$ 57.00	\$	\$ 57.00
Agricultural Machinery Mfg.....	3,600.00	2.00		3,602.00
Aircraft Opern., Trick and Stunt Flying.....	17.00			17.00
Analytical Chemists, Assaying.....		12.00		12.00
Asphalt Works, Shop and Yard.....		5.00		5.00
Asylums & Hospitals.....	1,577.10	2,047.86		6,624.96
Attendants and Guards.....	1,413.53	554.00		1,967.53
Auditors, Accts. & Office Clerks.....	21,106.66	16,424.44	275.00	40,806.10
Auto Garages & Service Stations.....	93,340.03	62,541.92	725.00	156,606.95
Auto Livery & Taxi Stations.....	591.95	627.00		1,218.95
Auto Painting & Upholstering.....	210.00	287.00		497.00
Awning & Tent Erection.....	534.29	154.00		688.29
Automatic Sprinkler Installation.....		21.00		21.00
Bakeries & Confectionery Mfg.....	14,499.78	10,018.65		24,518.43
Beet Sugar Mfg.....	64,369.12	21,524.90	525.00	86,419.02
Bill Posting, Incl. D. C. H.....		72.50		72.50
Blacksmithing.....	2,999.49	3,051.29		6,050.78
Billiard Halls & Bowling Alleys.....	102.48	318.50		420.98
Bookbinding & Printing.....	15,140.99	10,939.40		26,080.39
Board of Entomology, Employees.....	14.43	431.50		445.93
Boot & Shoe Repairing.....		93.00		93.00
Bottling Works.....	333.32	952.50		1,285.82
Brick and Tile Mfg.....	4,973.61	3,627.20	75.00	8,675.81
Bridges, Metal Iron & Steel.....	667.99	1,589.95		2,257.94
Bridges, Span 20 feet or less.....	38,007.93	8,785.95	875.00	47,668.88
Brush and Broom Mfg.....	42.46	32.50		74.96
Building Moving, all operations.....	1,300.50	1,058.35	150.00	2,508.85
Butchering Inc. Handling Lvstk.....	39,779.92	14,013.85	75.00	53,868.77
Cabinet Works, Power Machy.....	1,544.28	906.90		2,451.18
Canneries, N. O. C.....	5,372.92	4,552.50		9,925.42
Carpentry Inst. Interior Trim.....	235.00	137.00		372.00
Carpentry, Shop Only.....	896.50	329.00		1,225.50
Carpentry, Wooden Bridges, etc.....	113,477.32	34,753.19	425.00	148,655.55
Cement & Plaster Mfg.....	50,638.96	1,945.38	1,100.00	53,684.34
Cemeteries, Operations.....	192.00	500.00	150.00	842.00
Chauffeurs and Helpers.....	22,993.89	11,201.03	300.00	34,494.92
Chemical, Mfg.....		78.00		78.00
Cigar Makers.....		155.54		155.54
Coal Merchants, Handg. Coal Ex.....	4,728.63	3,737.70		8,466.33
Commissary Work, Cooks, Wtrs.....	3,233.65	2,466.17	150.00	5,849.82
Concrete Const., Except Paving.....	19,156.85	5,091.06	300.00	24,547.91
Concrete Walks & Curbs.....	30.00	241.50		271.50
Contractors, Const. Fr. Res. etc.....	30,389.37	19,147.90	150.00	49,687.27
Creameries.....	27,810.06	14,470.27	225.00	42,505.33
Dams, Coffe, Constr.....	4,728.11	58.50		4,786.61
Dredging, All Operations.....	126.00			126.00
Elec. Fix., Wiring, Inside.....	2,128.24	3,396.85		5,525.09
Elec. Apparatus, Inst. & Rep.....				
Millwright Work, N. O. C.....	2,631.62	1,098.55		3,730.17
Elec. Lt. & Power Lines, Const.....	315.25	403.35		718.60
Elec. Lt. & Power Plants, Opern.....	162,536.55	10,851.22	4,516.98	177,904.75
Elevators, Frt. & Pass. Inst.....		67.00		67.00
Engineers, Civil & Mechanic.....	109.69	192.80		302.49
Excavating.....	3,955.80	1,100.15	75.00	5,130.95
Farm Labor.....	52,962.30	45,302.65	1,015.00	99,279.95
Farm Machinery, Opern. Const.....	3,008.09	951.95		3,960.04
Fertilizer, Mix. Plants, Garbage.....	11,283.91	3,805.75		15,089.66
Firemen, Fire Depts.....	1,151.63	2,057.85	125.00	3,334.48
Fire Patrol, Forest Fire Fighters.....	986.30	965.25		1,951.55
Florists & Seed Merchants.....	4,213.29	1,015.30		5,228.59
Foundry, Iron & Steel.....	12,296.85	3,929.50	150.00	16,376.35
Fuel & Material Dealers.....	60,129.98	21,365.39	800.00	82,295.37
Gas Works Operation.....	11,657.07	4,427.05	300.00	16,384.12
Gasoline Service Stations.....	661.06	437.50		1,098.56
Glaziers.....	517.40	873.75		1,391.15
Grain Elevators.....	51,702.29	15,960.79	350.00	68,013.08
Gravel Pits, Operation.....	28,588.96	6,786.27	275.00	35,650.23
Harness & Saddle Mfg.....	675.00	799.43		1,474.43
Hay, Grain & Feed Dealers.....	1,688.60	331.50		2,020.10
Hotels, Restaurants & Clubs.....	16,207.04	14,505.30	75.00	30,787.34
High Explosives.....	314.94			314.94
Ice Dealers.....	3,379.82	3,212.75		6,592.57
Ice Harvesting & Storage.....	20,531.47	9,955.52	125.00	30,611.99
Iron & Steel Erec. & Rep.....	8,305.37	4,426.41	150.00	12,881.78

COMPENSATION PAYMENTS CLASSIFIED AS TO INDUSTRY

From July 1, 1915, to June 30, 1930.

ALL PLANS (Continued)

INDUSTRY	Compensation	Medical and Hospital	Burial	Totals
Irrigation or Drainage Syst., Con...	17,033.37	3,488.95	938.84	21,461.16
Irrigation Works, Operation.....	6,009.47	1,390.10	150.00	7,549.57
Janitors.....	29,302.46	7,377.05	375.00	37,054.51
Junk Dealers.....	6,068.26	1,988.30	150.00	8,206.56
Laboratory Wk., Board of Health and Livestock.....		3.00		3.00
Lathing & Plastering.....	2,925.31	1,229.10		4,154.41
Laundries, Cleaning & Dyeing.....	11,702.56	14,229.01		25,959.57
Lime Mfg. Inc. Quarrying.....	2,448.34	645.30	75.00	3,168.64
Logging and Lumbering.....	484,968.98	29,340.95	7,868.00	522,177.93
Lumber Yard Incl. D. C. & H.....	956.20	424.75		1,380.95
Machine Shops, Excl. Foundries.....	4,017.95	5,119.15	75.00	9,212.10
Machinery, Heavy Inst.....	2,083.32	1,202.35	75.00	3,360.67
Marble & Stone Setting.....	328.03	195.35		523.38
Masonry, Bridges, etc.....	9,835.33	5,856.54		15,691.87
Mattress, Mfg.....	1,676.47	184.00		1,860.47
Milling Grain & Feed.....	22,613.50	14,351.43	350.00	37,314.93
Mining Coal, Surface strip mining only.....	533.27	690.75		1,224.02
Mining Coal.....	919,335.94	33,475.77	13,740.90	966,552.61
Mining Metals.....	4,239,579.55	56,692.78	88,521.50	4,384,793.83
Mining Metals, Surface Only.....	4,257.81	1,659.50		5,917.31
Nurseries, All Operations.....	539.25	664.60		1,203.85
Oil Dist. Mixing, etc.....	532.13	724.00		1,256.13
Oil Refining & Gasoline Mfg.....	33,734.51	8,638.84	1,050.00	43,423.35
Oil Trans. Pipeline etc.....	3,119.92	1,888.65	150.00	5,158.57
Oil Wells, Dev. & Shooting.....	102,044.95	46,548.16	2,242.59	150,835.70
Oil Wells, Operation.....	4,875.96	4,067.89	150.00	9,093.85
Optical Goods, Mfg.....		38.00		38.00
Ore Milling, No Mining.....	43,394.10	8,049.70	725.00	52,168.80
Painting & Paperhanging.....	4,600.89	3,681.30		8,282.19
Painting & Decorating, Exterior.....	10,268.39	3,036.99	150.00	13,455.38
Paving or Road Surfacing.....	23,414.95	10,676.55	524.00	34,615.50
Pile Driving.....	1,964.96	393.95	225.00	2,583.91
Planning & Moulding Mills.....	22,714.44	2,372.57	225.00	25,312.01
Plumbing & Steam Fitting.....	14,066.06	11,411.72	625.00	26,102.78
Policemen & Peace Officers.....	32,977.71	5,470.50	1,500.00	39,648.21
Produce Dealers.....	2,225.37	1,972.25		4,197.62
Quarries, N. F. D.....	10,551.04	1,495.10		12,046.14
R. R. Const. Excl. Bridge Bldg.....	53,129.43	17,483.70	938.90	71,552.03
R. R. Elec., Opern. & Maint.....	29,641.20	798.80	575.00	31,015.00
R. R. Steam, Opern. & Maint.....	462.71	158.00		620.71
Road or Street Const.....	243,412.51	59,589.04	3,765.00	306,766.55
Roofing, All Kinds.....	3,191.04	905.50		4,096.54
Safe Moving.....	535.42	251.00		786.42
Salesmen & Collectors.....	1,886.38	1,396.75	150.00	3,433.13
Sash Door & Blind Mfg.....	3,622.61	1,671.70		5,294.31
Saw & Lath Mills.....	197,029.71	17,273.97	3,976.26	218,279.91
Sewer Disposal Plant, Opern.....	9,920.04	632.20	325.00	10,377.24
Sewer Const., All Oper.....	9,173.30	1,825.90	225.00	11,224.20
Sheet Metal Works, Shop Only.....	1,138.37	2,230.10		3,368.47
Sheet Met. Wk. away from shop.....	2,482.48	2,209.75		4,692.23
Smelters—Operation.....	605,873.33	851.19	3,125.00	609,849.52
Soap or Soap Powder Mfg.....	263.25	398.25		661.50
Steam, Gas & Water Mains.....	14,504.59	11,043.01	200.00	25,747.60
Steam Heating Plants, Opern.....	37.50	730.95		768.45
Stone Crushing, no Quarrying.....	471.28	611.95		1,083.23
Stone Cutting & Polishing.....	2,316.44	1,142.00	150.00	3,608.44
Storage, Incl. Handl. & Pkg.....	2,764.70	1,661.85		4,426.55
Stores Handling Light Mdse.....	10,364.08	12,473.10	150.00	22,987.18
Stores Handling Heavy Mdse.....	15,334.01	9,471.60	150.00	24,955.61
Stores, Meat & Fish, Poultry.....	5,353.42	5,714.00		11,067.42
Stores Heavy Mdse. & Impls.....	3,589.41	2,355.90	523.14	6,468.45
Tanning.....	724.00	278.95		1,002.95
Tel. & Tel. Office Exchange.....	673.73	45.50		719.23
Tel. & Tel. Opern. & Maint.....	51,229.60	26,404.78	225.00	77,859.38
Theatres Managers & Ushers.....	288.00	207.00		495.00
Theatres, Stg. Hds., Mch. Ops.....	4,667.50	1,935.60		6,603.10
Truckmen, Draymen & Helpers.....	31,892.10	15,266.10	300.00	47,458.20
Tunneling, Other Than Mining.....	2,781.32	47.15	75.00	2,903.47
Undertakers.....	29.23	322.00		351.23
Vessels & Ferries.....	428.36	237.50		665.86
Waterworks Operation.....	32,339.48	7,946.65	475.00	40,761.13
Wire Drawing & Cable Mfg.....	310.57			310.57
Wood Preserving.....	85.40	29.00		114.40
GRAND TOTAL.....	\$8,476,589.89	\$913,210.07	\$148,671.11	\$9,538,471.07

EMPLOYEES UNDER ACT

The following table shows the number of employees in each classification of industry as nearly as these can be classified and as they are carried for statistical and rating purposes on the books of this Department. It is not possible to show the number of employers under each classification and code number for the reason that many employers take several classifications. A single employer may have workmen engaged in as many as ten or twelve of the classifications of industry listed and be rated and assessed in accordance with the number of workmen engaged in each of the several classifications.

From July 1, 1915, to June 30, 1930.

ALL PLANS

INDUSTRIES	Code Number (Mont. Code)	Plan No. 1	Plan No. 2	Plan No. 3	Total
Advertising Signs.....	1503		10		10
Aircraft Operation—Terminal.....	2403			6	6
Analytical Chemists.....	201		3	30	33
Amusement Parks, Operation and Maintenance.....	711			15	15
Asylums and Hospitals.....	2803		301	382	683
Asylums—Attendants and Guards.....	401			1	1
Auditors, Accountants and Office Clerks.....	2801	63	156	342	561
Automatic Sprinkler—Installation.....	702		23		23
Auto Painting and Upholstering.....	302		10	1	11
Automobile Garages—Shop—N. O. C.....	308	52	1,091	491	1,634
Auto Livery and Taxi Stations—Chauffeurs.....	310		71	22	93
Awning and Tent Mfg.....	202		12		12
Awning and Tent Erection.....	2102		2		2
Bakeries and Confectionery Mfg.....	205		183	207	390
Barber and Beauty Shops.....	2806			2	2
Beet Sugar Mfg.....	706	60	150	15	225
Billiard Halls and Bowling Alleys.....	204		9	3	12
Bill Posting.....	1403		4	1	5
Blacksmithing.....	517		36	50	86
Board of Entomology.....	104			11	11
Blasting, Handling of Explosives.....	2503		4		4
Bookbinding and Printing.....	111	113	375	393	881
Boot and Shoe Mfg. and Repair.....	305		13	10	23
Bottling Works and Breweries.....	502		25	20	45
Brick and Tile Mfg.....	709		67	54	121
Bridges, Span 20 feet or less.....	2110			314	314
Building Moving—Raising and Wrecking.....	2501			8	8
Butchering, Incl. Handling Livestock.....	912		140	86	226
Cabinet Works With Power Machinery.....	812		6	13	19
Canneries, N. O. C. Excluding Can Mfg.....	506		165	46	211
Carpentry, Installation and Interior Work.....	518		9	15	24
Carpentry, Shop Only.....	1207		7	6	13
Carpentry, Building.....	1710		224	586	810
Cellar Excavation.....	1906		308	2	310
Cement and Plaster Mfg.....	1206	125	24		149
Cemeteries, Operation, Incl. D. C. & H.....	209		20		20
Chauffeurs and Helpers.....	309	58	19	132	209
Cigar Makers.....	2809		35		35
City Engineers, and Civil.....	105		292	118	410
Coal Docks, Operation, Mechanical.....	1204		21	39	60
Coal Merchants, Handling Coal Exclusively.....	515		1		1
Commissary Work, Cooks and Waiters in Camps.....	114		34	31	65
Concrete Const. Bldgs. Etc., Except Paving.....	2303		139	113	252
Concrete Walks and Curbing.....	511			11	11
Contractors, Const. Private Residences, etc.....	1700		687	305	992
Creameries.....	402		210	166	376
Electric Fixtures and Wiring, Inside.....	508	11	80	43	134
Electric Light and Power Plants.....	1711	1,062	22	217	1,301
Electric Light and Power Lines, Construction.....	1708			16	16
Elevators, Freight and Passenger, Instal. & Rep.....	1706		22	45	67
Farm Labor.....	1209		1,332	1,001	2,333
Farm Machinery, Oper. by Contractors.....	1415		15	14	29
Firemen, Fire Departments.....	2804			62	62

EMPLOYEES UNDER ACT (Continued)

INDUSTRIES	Code Number (Mont. Code)	Plan No. 1	Plan No. 2	Plan No. 3	Total
Fire Patrol & Fire Fighters in Forest Work.....	2305			30	30
Foundries, Steel and Iron.....	1210	25	84	22	131
Garbage Works, Crematories, Etc.....	1002		3	43	46
Gas Works, Operation.....	803	22	114	18	154
Gas, Steam and Water Mains.....	809		243	200	443
Gasoline Service Stations and Tire Dealers.....	1304	120	136	36	292
Glaziers.....	703		4	10	14
Grain Elevators.....	1009	166	338	105	609
Gravel Pits and Placer Mining.....	1405		27	194	221
Hay, Grain and Feed Dealers.....	519		16	4	20
Hotels, Restaurants and Clubs.....	113		1,146	365	1,511
Ice Dealers.....	2003		4	90	94
Ice Harvesting and Storing only.....	2007		15	17	32
Iron and Steel Erection and Repair.....	2401	46	24	129	199
Irrigation and Drainage Systems.....	1705	50	60	457	567
Irrigation Works, Operation.....	509		6	183	189
Janitors, Etc.....	712	1	187	737	925
Junk Dealers.....	1211			21	21
Laboratory Work—Board of Health & Livestock.....	102			5	5
Lathing and Plastering.....	505		4	40	44
Laundries, Cleaning & Dyeing.....	601		379	368	747
Lime Mfg. & Quarrying.....	1003			26	26
Logging and Lumbering.....	1908	1,054	117	1,153	2,324
Lumber Yards and Fuel Dealers.....	516	228	374	249	851
Machine Shops, Excluding Foundries.....	504		55	56	111
Machinery, Heavy, Installation, Etc.....	1004	16	28		44
Marble and Stone Setting.....	408		19	7	26
Masonry—Bridges, etc.....	2108		45	66	111
Milling—Grain and Feed.....	811		324	32	356
Millwright Work, Elec. Apparatus, Installation and Repair, Outside.....	1101		101	49	150
Mining Coal.....	1808	1,718	195	606	2,519
Mining Metals.....	1809	9,061	8	1,213	10,282
Mining—Surface Only.....	1810			5	5
Nurseries, All Operations.....	203		58	32	90
Oil Distributing.....	1104	11	231	1	243
Oil Refining.....	1303		102	43	145
Oil Transportation and Pipe Line.....	805		6	72	78
Oil Wells—Development and Shooting.....	1512	101	228	288	617
Oil Wells, Operation Only.....	806		82	116	198
Optical Goods, Mfg.....	115		9		9
Ore Milling—No Mining.....	1401	136		37	173
Paper Hanging and Painting.....	412		38	124	162
Painting, Exterior Work.....	1407		34	62	96
Paving and Road Surfacing.....	713			434	434
Pile Driving.....	1901			6	6
Planning and Moulding Mills.....	1205			78	78
Plumbing—Steam Fitting and Heating.....	808		184	145	329
Policemen and Peace Officers.....	1408			432	432
Produce Dealers.....	206		43	67	110
Quarries.....	1511	12	5	3	20
Railroad Construction.....	1704		10	115	125
Railroad Steam, Operation and Maintenance.....	1607		1		1
Railroad, Electric Oper. and Maintenance.....	1608	611			611
Road and Street Construction.....	1301		242	3,647	3,889
Roofing, All Kinds.....	2104		35	10	45
Salesmen, Collectors.....	2502	64	401	45	510
Sash, Door and Blind Mfg.....	1006		135	18	153
Saw and Lath Mills.....	1609	1,757	31	563	2,351
Seed Merchants, Bean Sorting and Handling.....	207		136	129	265
Sewer Disposal and Plant Operation.....	1606			19	19
Sewer Construction.....	2203		3	18	21
Sheet Metal Works, Shop and Interior.....	1702		39	16	55
Sheet Metal Works, Away from Shop.....	1903		20	19	39
Shooting Clubs and Galleries.....	1203			6	6
Smelters, Operation of.....	1201	4,808			4,808
Steam Heating Plants.....	905			76	76
Steam Pipe and Boiler Insulation.....	510			1	1
Stone Crushing and Quarrying.....	908			23	23
Stone Cutting and Polishing, No Quarrying.....	507		3	38	41

EMPLOYEES UNDER ACT (Continued)

INDUSTRIES	Code Number (Mont. Code)	Plan No. 1	Plan No. 2	Plan No. 3	Total
Storage, Including Handling and Packing.....	1202	109	22	11	142
Stores, Handling Light Merchandise.....	2804	268	2,012	290	2,570
Stores, Handling Heavy Merchandise.....	2805	43	889	227	1,159
Stores, Handling Meat, Fish and Poultry.....	307	.....	100	67	167
Stores, Handling Heavy Machy. and Implements.....	514	21	117	40	178
Tel. and Tel. Operation and Maintenance.....	1707	902	3	19	924
Tel. and Tel., Office and Exchange.....	2807	.....	.....	3	3
Theatres—Managers and Ushers.....	110	.....	64	.....	64
Theatres—Stage Hands and Employees.....	103	.....	165	4	169
Truckmen, Draymen and Helpers.....	1208	.....	60	230	290
Undertakers.....	2808	.....	18	1	19
Vessels and Ferries, Operation.....	907	.....	4	29	33
Waterworks—Operation.....	802	67	21	178	266
Wire Drawing or Cable Mfg.—Not Iron or Steel.....	1290	275	.....	.....	275
TOTALS.....		23,236	15,965	19,762	58,963

AMOUNT OF EXPENDITURE FOR MEDICAL, SURGICAL AND HOSPITAL

The following table shows the amount of expenditure for medical, surgical and hospital service under Plan Three for each of the fifteen years that the Act has been effective and the average cost per case upon which payment has been made. The increase in medical benefit became effective March 10, 1925, and the following table is for cases up to June 30, 1930.

(Plan Three)

Fiscal Year	Bills Paid	Total Expenditures	Average Per Case
1915-1916.....	63	\$ 1,415.00	\$22.46
1916-1917.....	195	3,866.55	19.93
1917-1918.....	293	6,999.35	23.88
1918-1919.....	234	5,894.85	25.19
1919-1920.....	558	12,052.40	21.60
1920-1921.....	729	17,676.75	24.25
1921-1922.....	709	21,460.62	30.27
1922-1923.....	722	23,163.30	32.08
1923-1924.....	757	20,911.04	27.62
1924-1925.....	739	21,506.34	29.10
1925-1926.....	948	28,059.81	29.60
1926-1927.....	1,545	48,321.16	31.27
1927-1928.....	2,037	62,434.64	30.74
1928-1929.....	2,613	88,958.03	34.04
1929-1930.....	3,340	93,911.99	28.11

COMPARISON OF COMPENSATION PAYMENTS BY YEARS AND PLANS

The amount of compensation payable in each case of death or total disability of a permanent character is definitely fixed by law. For death the law specifies 400 weeks compensation at half the weekly wages of the deceased workman at the time of death, limited to a maximum rate of \$21.00 per week. The same rate is fixed for cases of total disability of a permanent character, except that the payments run for 500 weeks. The same also is true with regard to payments for total disability cases of a temporary character, except that the limit is for 300 weeks.

The Board's greatest difficulty is in applying the partial disability statute (Section 2914) to the situation of many workmen who have suffered a partial disability as a result of an industrial accident. The Legislative Assembly of 1929 has liberalized this section making the maximum amount of compensation allowed much greater than was the rule at the time of our report in 1928. The rate of compensation, however, is still based upon the difference in wages earned by the injured workman prior to his accident and the amount he is able to earn thereafter.

This theory on first thought appears to be ideal, but it is difficult to apply the rule in the general run of cases for the reason that the claimant cannot present evidence to the Board which shows accurately the amount of wages he is able to earn after his injury.

Attention has been called, in previous reports of this Board, to the difference in the average amounts of compensation paid under each of the three plans, year by year, since the act became effective. Plan No. 1 is the plan under which the employer pays the compensation. Plan No. 2 is the plan wherein the employer carries compensation insurance with insurance companies permitted to write compensation in this state. Plan No. 3 is the plan wherein the compensation is paid from the State Industrial Accident Fund. So far as the present board is concerned, it has found Plan No. 1 and Plan No. 3 to operate to the satisfaction of the workman and the employer. Such difficulties as the Board has had in providing prompt and just payments of compensation have been in the operation of Plan No. 2. Some companies writing a small amount of compensation appear not to have a regard for the spirit and purposes of the law. These companies apparently think the business is just so much insurance business to be settled for at their leisure, whereas the Board feels that the law contemplates that the insurance carrier, whether state, employer or insurance company, should pay compensation promptly and keep in close touch with the injured workman.

The following table shows the number of accident cases, except those resulting in death and total disability, the amount of compensation paid and the average per case for each of the three plans since the act became effective:

COMPARISON OF COMPENSATION PAYMENTS BY YEARS AND PLANS

July 1, 1915, to June 30, 1930

PLAN NO. 1

Fiscal Year	Number Compensation Except Permanent Total and Fatal	Total Compensation Paid	Average Per Case
1915-1916.....	4,285	\$ 64,507.68	\$ 15.05
1916-1917.....	5,151	125,920.84	24.45
1917-1918.....	3,581	139,543.29	36.17
1918-1919.....	4,071	140,821.47	34.59
1919-1920.....	3,195	123,652.94	39.82
1920-1921.....	1,893	120,121.22	63.45
1921-1922.....	1,561	89,033.53	57.03
1922-1923.....	2,820	120,262.55	42.65
1923-1924.....	2,959	158,779.34	53.65
1924-1925.....	3,225	189,882.13	58.88
1925-1926.....	3,658	308,316.37	84.28
1926-1927.....	3,539	318,665.08	90.04
1927-1928.....	2,925	303,600.24	103.79
1928-1929.....	3,314	347,620.14	104.89
1929-1930.....	2,781	384,171.97	138.14

PLAN NO. 2

1915-1916.....	2,205	\$ 26,756.64	\$ 12.13
1916-1917.....	2,350	48,262.01	20.54
1917-1918.....	1,460	58,229.51	39.88
1918-1919.....	657	22,927.99	34.90
1919-1920.....	732	22,156.59	30.27
1920-1921.....	850	28,349.38	33.35
1921-1922.....	805	23,600.25	29.32
1922-1923.....	1,016	20,218.00	19.90
1923-1924.....	1,341	36,967.23	27.47
1924-1925.....	1,248	29,630.88	23.74
1925-1926.....	1,540	47,952.37	31.14
1926-1927.....	1,716	58,212.83	33.92
1927-1928.....	1,978	55,724.20	28.17
1928-1929.....	2,369	60,441.51	25.51
1929-1930.....	2,689	92,226.88	34.29

PLAN NO. 3

1915-1916.....	173	\$ 4,888.35	\$ 28.26
1916-1917.....	507	16,032.16	31.62
1917-1918.....	653	30,552.34	46.79
1918-1919.....	624	45,682.05	73.21
1919-1920.....	978	68,575.22	70.12
1920-1921.....	1,032	94,394.57	91.47
1921-1922.....	948	92,710.50	97.80
1922-1923.....	1,206	105,155.45	86.37
1923-1924.....	1,398	96,245.89	68.85
1924-1925.....	1,264	106,468.81	84.23
1925-1926.....	1,528	105,087.90	68.77
1926-1927.....	1,517	143,081.52	94.31
1927-1928.....	2,024	142,236.41	70.27
1928-1929.....	2,589	159,141.44	61.47
1929-1930.....	3,328	221,143.98	66.45

ALL PLANS

Plan No. 1.....	48,768	\$ 2,934,898.79	\$ 60.18
Plan No. 2.....	22,959	631,656.27	27.51
Plan No. 3.....	19,769	1,431,396.59	72.41

Lump Sum Settlements

The law makes the following provisions with regard to the method of the payment of compensation:

Section 2925 says: "Payments made how. All payments of compensation, as provided in this act, shall be made monthly, except as otherwise provided herein."

The only other provision is contained in Section 2926, which says in part: "Monthly payments converted into a lump sum. The monthly payments provided for in this act may be converted in whole or in part, into a lump sum payment, which lump sum payment shall not exceed the estimated value of the present worth of the deferred payments capitalized at the rate of five per centum per annum. Such conversion can only be made upon the written application of the injured workman, his beneficiary or major or minor dependents, as the case may be, and shall rest in the discretion of the Board, both as to the amount of such lump sum payment and the advisability of such conversion."

The present Board has carried out a policy of granting a full lump sum or partial lump sum only where it has become convinced, after a showing made, that the payment of the compensation money to the claimant would be more beneficial to such claimant than if the payments were continued on the monthly basis. Each application for a lump sum is considered on its individual merits. No set policy or rule for the granting of lump sums under certain circumstances is followed. The Board investigates each one with a view to determining the claimant's actual situation.

Table of Present Worth Values

The following table gives the present value of any number of one-dollar future weekly payments discounted at 5 per centum annually, simple interest.

NOTE—The present value of any larger sum may be found by multiplying the tabular figure by such sum.

First 52 Weeks

Weeks		Weeks		Weeks		Weeks	
1.....\$	0.999	14.....\$	13.900	27.....\$	26.644	40.....\$	39.233
2.....	1.997	15.....	14.886	28.....	27.617	41.....	40.195
3.....	2.995	16.....	15.871	29.....	28.590	42.....	41.157
4.....	3.990	17.....	16.855	30.....	29.562	43.....	42.117
5.....	4.986	18.....	17.838	31.....	30.534	44.....	43.077
6.....	5.980	19.....	18.820	32.....	31.504	45.....	44.035
7.....	6.973	20.....	19.801	33.....	32.473	46.....	44.993
8.....	7.966	21.....	20.781	34.....	33.442	47.....	45.950
9.....	8.957	22.....	21.761	35.....	34.409	48.....	46.906
10.....	9.948	23.....	22.739	36.....	35.376	49.....	47.861
11.....	10.937	24.....	23.717	37.....	36.341	50.....	48.815
12.....	11.926	25.....	24.693	38.....	37.306	51.....	49.769
13.....	12.913	26.....	25.669	39.....	38.270	52.....	50.721

Second 52 Weeks

Weeks		Weeks		Weeks		Weeks	
53.....\$	51.673	66.....\$	63.966	79.....\$	76.115	92.....\$	88.125
54.....	52.623	67.....	64.905	80.....	77.044	93.....	89.043
55.....	53.573	68.....	65.844	81.....	77.972	94.....	89.960
56.....	54.522	69.....	66.782	82.....	78.899	95.....	90.877
57.....	55.471	70.....	67.719	83.....	79.825	96.....	91.792
58.....	56.418	71.....	68.655	84.....	80.751	97.....	92.707
59.....	57.364	72.....	69.591	85.....	81.675	98.....	93.621
60.....	58.310	73.....	70.525	86.....	82.599	99.....	94.535
61.....	59.255	74.....	71.459	87.....	83.522	100.....	95.447
62.....	60.199	75.....	72.392	88.....	84.444	101.....	96.359
63.....	61.142	76.....	73.324	89.....	85.366	102.....	97.270
64.....	62.084	77.....	74.255	90.....	86.286	103.....	98.180
65.....	63.025	78.....	75.186	91.....	87.206	104.....	99.089

Third 52 Weeks

Weeks	Weeks	Weeks	Weeks
105.....\$ 99.998	118.....\$111.737	131.....\$123.346	144.....\$134.826
106..... 100.906	119..... 112.635	132..... 124.233	145..... 135.704
107..... 101.812	120..... 113.531	133..... 125.120	146..... 136.582
108..... 102.719	121..... 114.427	134..... 126.006	147..... 137.458
109..... 103.624	122..... 115.323	135..... 126.892	148..... 138.334
110..... 104.529	123..... 116.217	136..... 127.776	149..... 139.209
111..... 105.432	124..... 117.111	137..... 128.660	150..... 140.083
112..... 106.335	125..... 118.004	138..... 129.543	151..... 140.956
113..... 107.238	126..... 118.896	139..... 130.426	152..... 141.829
114..... 108.139	127..... 119.788	140..... 131.307	153..... 142.701
115..... 109.040	128..... 120.678	141..... 132.188	154..... 143.573
116..... 109.940	129..... 121.568	142..... 133.068	155..... 144.443
117..... 110.839	130..... 122.457	143..... 133.948	156..... 145.313

Fourth 52 Weeks

Weeks	Weeks	Weeks	Weeks
157.....\$146.182	170.....\$157.416	183.....\$168.529	196.....\$179.526
158..... 147.051	171..... 158.275	184..... 169.379	197..... 180.367
159..... 147.918	172..... 159.133	185..... 170.229	198..... 181.207
160..... 148.785	173..... 159.991	186..... 171.077	199..... 182.047
161..... 149.652	174..... 160.848	187..... 171.925	200..... 182.886
162..... 150.517	175..... 161.704	188..... 172.773	201..... 183.725
163..... 151.382	176..... 162.560	189..... 173.619	202..... 184.562
164..... 152.246	177..... 163.415	190..... 174.465	203..... 185.399
165..... 153.109	178..... 164.269	191..... 175.310	204..... 186.236
166..... 153.972	179..... 165.122	192..... 176.155	205..... 187.072
167..... 154.834	180..... 165.975	193..... 176.999	206..... 187.907
168..... 155.695	181..... 166.827	194..... 177.842	207..... 188.741
169..... 156.556	182..... 167.679	195..... 178.684	208..... 189.575

Fifth 52 Weeks

Weeks	Weeks	Weeks	Weeks
209.....\$190.408	222.....\$201.177	235.....\$211.837	248.....\$222.388
210..... 191.240	223..... 202.001	236..... 212.652	249..... 223.195
211..... 192.072	224..... 202.824	237..... 213.467	250..... 224.002
212..... 192.903	225..... 203.647	238..... 214.281	251..... 224.808
213..... 193.733	226..... 204.469	239..... 215.094	252..... 225.613
214..... 194.563	227..... 205.290	240..... 215.907	253..... 226.418
215..... 195.392	228..... 206.110	241..... 216.720	254..... 227.222
216..... 196.220	229..... 206.930	242..... 217.531	255..... 228.026
217..... 197.048	230..... 207.750	243..... 218.342	256..... 228.829
218..... 197.875	231..... 208.568	244..... 219.153	257..... 229.631
219..... 198.702	232..... 209.386	245..... 219.963	258..... 230.433
220..... 199.528	233..... 210.204	246..... 220.772	259..... 231.234
221..... 200.353	234..... 211.020	247..... 221.580	260..... 232.034

Sixth 52 Weeks

Weeks	Weeks	Weeks	Weeks
261.....\$232.834	274.....\$243.176	287.....\$253.417	300.....\$263.558
262..... 233.633	275..... 243.967	288..... 254.200	301..... 264.334
263..... 234.432	276..... 244.758	289..... 254.983	302..... 265.109
264..... 235.230	277..... 245.548	290..... 255.766	303..... 265.884
265..... 236.027	278..... 246.338	291..... 256.547	304..... 266.658
266..... 236.824	279..... 247.127	292..... 257.329	305..... 267.432
267..... 237.620	280..... 247.915	293..... 258.109	306..... 268.205
268..... 238.415	281..... 248.703	294..... 258.889	307..... 268.978
269..... 239.210	282..... 249.490	295..... 259.669	308..... 269.750
270..... 240.005	283..... 250.276	296..... 260.448	309..... 270.521
271..... 240.798	284..... 251.062	297..... 261.226	310..... 271.292
272..... 241.592	285..... 251.848	298..... 262.004	311..... 272.062
273..... 242.384	286..... 252.632	299..... 262.781	312..... 272.832

Seventh 52 Weeks

Weeks	Weeks	Weeks	Weeks
313.....\$273.601	326.....\$283.549	339.....\$293.402	352.....\$303.164
314..... 274.370	327..... 284.310	340..... 294.156	353..... 303.911
315..... 275.138	328..... 285.071	341..... 294.910	354..... 304.657
316..... 275.905	329..... 285.831	342..... 295.663	355..... 305.403
317..... 276.672	330..... 286.590	343..... 296.415	356..... 306.149
318..... 277.438	331..... 287.350	344..... 297.167	357..... 306.894
319..... 278.204	332..... 288.108	345..... 297.919	358..... 307.638
320..... 278.969	333..... 288.866	346..... 298.670	359..... 308.382
321..... 279.734	334..... 289.623	347..... 299.420	360..... 309.125
322..... 280.498	335..... 290.380	348..... 300.170	361..... 309.868
323..... 281.261	336..... 291.137	349..... 300.919	362..... 310.611
324..... 282.024	337..... 291.892	350..... 301.668	363..... 311.352
325..... 282.787	338..... 292.648	351..... 302.416	364..... 312.094

Eighth 52 Weeks

Weeks	Weeks	Weeks	Weeks
365.....\$312.834	378.....\$322.416	391.....\$331.911	404.....\$341.322
366..... 313.575	379..... 323.150	392..... 332.638	405..... 342.042
367..... 314.314	380..... 323.883	393..... 333.364	406..... 342.762
368..... 315.053	381..... 324.615	394..... 334.090	407..... 343.481
369..... 315.792	382..... 325.347	395..... 334.815	408..... 344.200
370..... 316.530	383..... 326.078	396..... 335.540	409..... 344.919
371..... 317.268	384..... 326.809	397..... 336.264	410..... 345.636
372..... 318.005	385..... 327.540	398..... 336.988	411..... 346.354
373..... 318.741	386..... 328.270	399..... 337.711	412..... 347.070
374..... 319.477	387..... 328.999	400..... 338.434	413..... 347.787
375..... 320.213	388..... 329.728	401..... 339.158	414..... 348.503
376..... 320.948	389..... 330.456	402..... 339.880	415..... 349.218
377..... 321.682	390..... 331.184	403..... 340.601	416..... 349.933

Ninth 52 Weeks

Weeks	Weeks	Weeks	Weeks
417.....\$350.647	430.....\$359.890	443.....\$369.051	456.....\$378.132
418..... 351.361	431..... 360.597	444..... 369.752	457..... 378.827
419..... 352.074	432..... 361.304	445..... 370.453	458..... 379.522
420..... 352.787	433..... 362.011	446..... 371.153	459..... 380.217
421..... 353.500	434..... 362.717	447..... 371.853	460..... 380.911
422..... 354.212	435..... 363.423	448..... 372.553	461..... 381.604
423..... 354.923	436..... 364.128	449..... 373.252	462..... 382.297
424..... 355.634	437..... 364.832	450..... 373.950	463..... 382.990
425..... 356.344	438..... 365.537	451..... 374.649	464..... 383.682
426..... 357.054	439..... 366.240	452..... 375.346	465..... 384.373
427..... 357.764	440..... 366.944	453..... 376.043	466..... 385.064
428..... 358.473	441..... 367.647	454..... 376.740	467..... 385.755
429..... 359.181	442..... 368.349	455..... 377.436	468..... 386.445

Remaining 32 Weeks

Weeks	Weeks	Weeks	Weeks
469.....\$387.135	477.....\$392.637	485.....\$398.110	493.....\$403.555
470..... 387.824	478..... 393.323	486..... 398.792	494..... 404.233
471..... 388.513	479..... 394.008	487..... 399.474	495..... 404.911
472..... 389.202	480..... 394.693	488..... 400.155	496..... 405.589
473..... 389.890	481..... 395.377	489..... 400.836	497..... 406.266
474..... 390.577	482..... 396.061	490..... 401.516	498..... 406.943
475..... 391.264	483..... 396.744	491..... 402.196	499..... 407.619
476..... 391.951	484..... 397.427	492..... 402.876	500..... 408.295

FINANCIAL STATEMENT

Herewith the Board submits a financial statement as of June 30, 1930.

A comparison of the Industrial Accident Fund investments and the industrial reserve fund investments with the investments of the same funds as listed in the annual report of the Industrial Accident Board made just prior to the Legislative session of 1929, will show a material increase in the investment of these funds. The present Board has consistently refused to invest any of its trust funds in anything but general obligations of cities and counties of Montana, government securities, and other securities of the highest class.

During a former administration, investments were made in some improvement district bonds which proved to be unsound. The present Board has adopted a policy of being extremely conservative in its investments instead of seeking the highest yield. Our first consideration is the safety of the security. The result is our financial statement as to investments of the Industrial Accident fund and Industrial Reserve fund shows a very substantial improvement over the statement of four years ago. A large increase in the amount of "Total Cash and Invested Funds" is also to be noted, showing a healthy growth of Plan No. 3 business.

FINANCIAL STATEMENT

June 30, 1930

ASSETS

Cash Funds:	
Industrial Accident Fund	\$ 56,686.79
Industrial Reserve Fund	17,038.15
	<hr/>
	\$ 73,724.94
Less Outstanding Warrants	51,709.92
	<hr/>
Net Cash on Hand	\$ 22,015.02
Invested Funds:	
Industrial Accident Fund	\$ 213,412.17
Industrial Reserve Fund	480,784.49
Registered Warrants	7,967.97
	<hr/>
Total Invested Funds	702,164.63
	<hr/>
Total Cash and Invested Funds	\$ 724,179.65
Administrative Fund	975.70
Trustee Account	540,950.00
Administrative Expense	65,593.77
Furniture and Fixtures, Automobiles	7,588.97
	<hr/>
	\$1,339,287.19
LIABILITIES	
Premium Income	\$3,173,245.86
Less Compensation Paid	2,729,278.61
	<hr/>
Net Premium Income	\$ 443,967.25
Initial Deposits	41,430.70
Special Deposits	7,390.59
Bonds in Trust	540,950.00
General Fund Warrants	36,147.27
Administrative Income	31,258.27
Interest and Discount Collected	230,743.12
Warrants Unclaimed	647.99
Surplus	6,752.00
	<hr/>
	\$1,339,287.19

INDUSTRIAL ACCIDENT FUND INVESTMENTS

June 30, 1930

Description	Rate %	Face Value	Book Value
BONDS			
FEDERAL			
Federal Land Bank, St. Paul	4 $\frac{1}{2}$	\$ 25,000.00	\$ 25,000.00
Federal Land Bank, Spokane	4 $\frac{1}{2}$	50,000.00	50,000.00
			<hr/>
			\$ 75,000.00
COUNTY			
Golden Valley Co-Funding	6	5,000.00	5,328.37
Park County Highway	5	1,000.00	1,000.00
Rosebud County Highway	5 $\frac{1}{4}$	5,000.00	5,000.00
Treasure County Funding	5 $\frac{1}{2}$	5,000.00	5,000.00
Yellowstone County S. D. No. 2	6	15,000.00	15,925.13
Carbon County Funding	5 $\frac{1}{2}$	25,000.00	25,000.00
Blaine County Seed Grain Refunding	5 $\frac{1}{2}$	10,500.00	10,500.00
			<hr/>
			\$ 67,753.50
CITY—GENERAL OBLIGATIONS			
City of Great Falls	6	1,000.00	1,000.00
			<hr/>
			\$ 1,000.00
CITY—SPECIAL IMPROVEMENT DISTRICTS			
City of Eureka—Paving	6	5,600.00	5,320.00
City of Havre S.D. No. 89	6	3,000.00	3,000.00
City of Laurel SID No. 50	6	7,300.00	6,915.00
City of Laurel SID No. 51	6	4,237.50	4,041.00
City of Whitefish SID No. 54	6	16,177.18	16,177.18
			<hr/>
			\$ 35,453.18
CORPORATION BONDS			
Western Union Telegraph Co.	5	10,000.00	10,000.00
Great Northern Railway Co.	7	5,000.00	5,000.00
Standard Oil Co. of New York	4 $\frac{1}{2}$	5,000.00	5,000.00
New York Edison Co.	6 $\frac{1}{2}$	5,000.00	5,000.00
Cleveland Union Terminal Co.	5 $\frac{1}{2}$	5,000.00	5,000.00
			<hr/>
			\$ 30,000.00
WARRANTS			
Powder River Co. Bridge Fund	6	2,842.70	2,842.70
Rosebud Co. S. D. No. 4 Bldg. Fund	6	1,362.79	1,362.79
			<hr/>
			\$ 4,205.49
GRAND TOTAL			<hr/>
			\$213,412.17

INDUSTRIAL RESERVE FUND INVESTMENTS

June 30, 1930

Description	Rate	Face Value	Book Value
FEDERAL BONDS			
4th Liberty Loan Bonds Coupon	4 $\frac{1}{4}$	\$ 20,000.00	\$ 20,000.00
4th Liberty Loan Bonds Reg.	4 $\frac{1}{4}$	20,000.00	20,000.00
Federal Farm Loan Bonds New Orleans	4 $\frac{3}{4}$	35,000.00	35,000.00
Federal Farm Loan Bonds Wichita	4 $\frac{3}{4}$	7,000.00	7,000.00
Federal Farm Loan Bonds St. Paul	4 $\frac{3}{4}$	3,000.00	3,000.00
			<hr/>
			\$ 85,000.00
STATE OF MONTANA			
Educational Bonds "A"	5 $\frac{1}{2}$	25,000.00	25,000.00
"A"	5 $\frac{1}{2}$	27,000.00	27,000.00
"B"	5 $\frac{1}{2}$	10,000.00	10,000.00
"C"	4 $\frac{1}{2}$	5,000.00	5,000.00
"E"	4 $\frac{3}{4}$	8,000.00	8,000.00
"F"	4 $\frac{3}{4}$	5,000.00	5,000.00
"J"	4 $\frac{1}{2}$	12,000.00	12,000.00
			<hr/>
			\$ 92,000.00
COUNTY:			
Custer County High School.....	6	10,000.00	10,000.00
Daniels County Funding.....	6	10,000.00	10,000.00
Golden Valley Funding.....	6	10,000.00	10,043.31
Golden Valley S. D. No. 66 formerly in Sweet Grass County	6	1,000.00	1,000.00
Granite County Funding.....	6	2,000.00	2,000.00
Jefferson County Highway.....	5 $\frac{1}{4}$	4,000.00	4,000.00
Fallon County Funding.....	6	20,000.00	20,000.00
Mineral County Funding.....	5 $\frac{1}{2}$	7,000.00	6,197.20
Missoula County Highway.....	6	6,000.00	6,200.00
Silver Bow County Funding.....	6	6,000.00	6,000.00
Sheridan County Funding.....	6	19,000.00	19,000.00
Big Lake Drain District.....	6	31,000.00	31,000.00
Lewis & Clark County Road & Bridge.....	6	6,000.00	6,000.00
Sanders County Funding.....	6	8,000.00	8,000.00
Carbon County S. D. No. 1.....	6	6,000.00	6,000.00
Meagher County Highway.....	6	1,000.00	1,000.00
Phillips County Funding.....	6	6,000.00	6,000.00
Toole County Funding.....	6	5,000.00	5,000.00
			<hr/>
			\$157,240.51
City General Obligations:			
City of Great Falls Sewer Bonds.....	5	28,000.00	28,000.00
City of Lewistown Water	5	2,000.00	2,000.00
City of Shelby Water	6	3,000.00	2,760.00
City of Valier Funding	5 $\frac{1}{2}$	14,000.00	14,000.00
City of Havre Water	6	5,000.00	5,000.00
City of Malta Funding	6	5,000.00	5,000.00
City of Kalispell Funding	5	25,000.00	25,000.00
			<hr/>
			\$81,760.00
SPECIAL IMPROVEMENT DISTRICTS:			
	Rate	Face Value	Book Value
City of Billings S. D. No. 190.....	6	\$ 4,500.00	\$ 4,350.00
City of Grass Rge S. T. D. No. 7 ..	6	8,650.00	8,200.00
City of Laurel S. I. D. No. 19.....	6	365.76	
City of Laurel S. I. D. No. 20.....	6	335.50	
City of Laurel S. I. D. No. 22.....	6	258.89	
City of Laurel S. I. D. No. 24.....	6	370.99	
City of Laurel S. I. D. No. 25.....	6	45.80	
City of Laurel S. I. D. No. 34.....	6	2,588.92	
City of Laurel S. I. D. No. 36.....	6	300.00	
City of Laurel S. I. D. No. 37.....	6	1,213.15	
City of Laurel S. I. D. No. 38.....	6	561.68	
City of Laurel S. I. D. No. 42.....	6	439.55	
City of Laurel S. I. D. No. 44.....	6	675.00	
City of Laurel S. I. D. No. 52.....	6	1,080.00	
		<hr/>	
		\$ 6,997.38	
City of Livingston S. I. D. No. 87 ..	6	7,000.00	
City of Livingston S. I. D. No. 88 ..	6	485.75	
City of Livingston S. I. D. No. 89 ..	6	5,000.00	\$11,736.60
			<hr/>
			\$ 31,283.98
WARRANTS:			
State of Montana.....	4	\$33,500.00	\$33,500.00
			<hr/>
			\$480,784.49

REGISTERED WARRANTS

June 30, 1930

CITY WARRANTS:	FUND	Amount
Anaconda.....	General and Maintenance.....	252.21
Bainville.....	General.....	22.44
Bearcreek.....	General.....	126.19
Belt.....	General.....	16.68
Boulder.....	General.....	2.50
Bridger.....	General.....	9.52
Butte.....	General and Sprinkling.....	1,795.53
Chester.....	General.....	30.82
Culbertson.....	General.....	28.54
Deer Lodge.....	General.....	282.65
Forsyth.....	General.....	107.99
Glasgow.....	General and Library.....	116.87
Grass Range.....	General.....	2.50
Harlem.....	General.....	34.25
Helena.....	Garbage.....	121.45
Helena.....	Street.....	376.39
Helena.....	General.....	15.78
Judith Gap.....	General.....	14.40
Kalispell.....	General and Street.....	290.15
Kalispell.....	Street.....	44.51
Levistown.....	General.....	178.18
Philipsburg.....	Contingent.....	91.67
Polson.....	General.....	131.05
Poplar.....	General.....	43.14
Red Lodge.....	General.....	82.08
Shelby.....	General.....	317.89
Sheridan.....	General.....	2.70
Walkerville.....	General.....	100.24
Townsend.....	General.....	20.34
Valier.....	General.....	9.37
White Sulphur Springs.....	General.....	80.44
Winnett.....	General.....	87.17
		<hr/>
		\$4,835.64
COUNTIES		
Lake.....	General.....	\$1,350.31
Missoula.....	General.....	645.08
Musselshell.....	Water.....	11.16
Musselshell.....	Road.....	118.87
Powell.....	General.....	296.62
		<hr/>
		\$2,422.04
SCHOOL DISTRICTS:		
Broadwater County Sch. Dist. No. 15.....	General.....	\$ 3.34
Gallatin County Sch. Dist. No. 3.....	General.....	40.96
Gallatin County Sch. Dist. No. J 24.....	General.....	17.28
Glacier County Sch. Dist. No. 1.....	General.....	20.08
Glacier County Sch. Dist. No. 15.....	General.....	45.86
Hill County Sch. Dist. No. 16.....	General.....	30.18
Madison County Sch. Dist. No. 7.....	General.....	4.30
Musselshell County Sch. Dist. No. 9.....	General.....	4.20
Phillips County Sch. Dist. No. 29.....	General.....	43.98
Richland County Sch. Dist. No. 86.....	General.....	3.90
Roosevelt County Sch. Dist. No. 45.....	General.....	10.10
Sheridan County Sch. Dist. No. 33.....	General.....	37.39
Teton County Sch. Dist. No. 12.....	General.....	6.35
Toole County Sch. Dist. No. 1.....	General.....	5.00
		<hr/>
		\$ 272.92
IRRIGATION DISTRICTS:		
Harlem Irrigation District.....	General.....	\$ 29.23
Sunset Irrigation District.....	General.....	14.82
Bitter Root Irrigation District.....	Maintenance.....	372.88
Yellowstone Irrigation District.....	General.....	20.44
		<hr/>
		\$ 437.37
TOTAL REGISTERED WARRANTS.....		<hr/>
		\$7,967.97

ADDITION TO CASH AND INVESTED FUNDS ON HAND

Fiscal Year	Premium Income	Int. and Dis. Income	Total Income	Compensation Paid	Added to Cash and Invested Funds
1915-1916	\$ 29,058.86	\$	\$ 29,058.86	\$ 6,303.35	\$ 22,755.51
1916-1917	43,343.84	412.02	43,755.86	34,587.17	9,168.69
1917-1918	132,277.58	1,066.03	133,343.61	55,236.29	78,107.32
1918-1919	181,709.35	2,124.27	183,833.62	68,708.45	115,125.17
1919-1920	225,507.86	7,702.38	233,210.24	135,002.91	98,207.30
1920-1921	202,981.07	13,146.03	216,127.10	167,694.40	48,432.70
1921-1922	186,383.56	16,775.82	203,159.38	174,516.93	28,642.45
1922-1923	188,916.19	19,012.53	207,928.72	192,583.46	15,345.26
1923-1924	147,396.04	23,517.75	170,913.79	162,956.94	7,956.85
1924-1925	253,054.94	22,145.45	275,200.39	182,410.68	92,789.71
1925-1926	212,900.86	16,940.71	259,841.57	209,827.37	50,014.20
1926-1927	283,042.98	24,986.98	308,029.96	285,871.00	22,158.96
1927-1928	287,143.36	21,708.49	311,851.85	278,675.59	33,176.25
1928-1929	334,759.40	30,172.03	364,931.43	336,309.22	28,622.21
1929-1930	465,951.37	28,044.58	493,995.95	438,137.49	55,858.46
TOTALS	\$3,204,427.26	\$230,755.07	\$3,435,182.33	\$2,728,821.28	\$706,361.05

DEPARTMENT OF SAFETY

The department of safety is charged with the inspection of coal mines, metal mines, the licensing of stationary engineers and the inspection of steam boilers and steam machinery. A condensed history and statement of inspections and fees collected is as follows:

WORK OF SAFETY BUREAU FOR YEAR 1929-1930

Fiscal Year July 1, 1929, to June 30, 1930

	Months Worked	Licenses Issued	Boilers Inspected	Safety Inspections	Cash Collected
J. H. Bondy	12	516	994	139	\$ 8,768.57
Louis Helbert	7	81	228	23	2,068.89
Chas. Burgess	5	106	363	14	2,700.00
John Page	12	116	686	54	5,251.43
R. A. Prater	12	179	523	108	4,361.56
Ben Henry	12	.....	.....	287	1,519.82
Ed Davies	12	.....	.....	315	570.99
Office	12	2,863	.....	.....	3,390.50
Totals		3,861	2,794	940	\$28,631.76

INSPECTORS' REPORTS

Because of the information contained in the reports of the inspectors there is herewith quoted the report of the state coal mine inspector and the state quartz mine inspector.

In his report to the Board, Mr. Edward Davies, state coal mine inspector, says in part:

In accordance with the provisions of the State Mining Laws I herewith submit my report for the fiscal year ending June 30th, 1930.

General Conditions

In keeping with the trend of events in industry the coal mines of the state are being rapidly mechanized. This has become necessary in order to compete with oil, natural gas, and electricity. Most of the cities in our state now use natural gas for the heating of homes and the operation of small industries. The future holds the prospect of further competition from this source and, in consequence, the outlook for the coal

mining industry is discouraging. Due to the large production of the Colstrip mine, which is used entirely on the Northern Pacific railroad, the total output for the state is practically the same as last year. As in former years a large number of small operators failed to make their reports and their tonnage has been estimated.

Fatal Accidents

There were four fatal accidents during the year, compared with three for the preceding year. After investigating these accidents we were forced to the conclusion that they would have been avoided if ordinary precaution had been taken by the workmen. Our fatality rate is far below that of the industry as a whole, but it should be still lower. Safety First is being continually emphasized, and when this idea becomes fixed in the minds of all who are engaged in the industry there will be a big decrease in the number of accidents.

The following figures give the general data covering the coal mining in the state during the years mentioned.

Years	Men Employed (Average)	Production (Tons)	Value
1901 to 1910, Inclusive.....	2,777	18,696,641	Not Given
1911 to 1920, Inclusive.....	3,930	34,821,324	\$64,372,502.00
1921	4,300	3,392,031	9,365,230.00
1922	4,431	2,818,654	8,659,192.00
1923	4,097	3,140,837	9,903,625.00
1924	3,035	2,998,779	8,172,150.00
1925	2,496	2,252,899	6,652,009.00
1926	2,431	2,758,739	6,691,548.00
1927	2,250	2,863,203	6,735,545.00
1928	2,159	3,111,339	7,251,834.00
1929	2,060	3,319,660	7,453,698.00
1930	1,962	3,258,540	6,742,093.00

Report for Fiscal Year Ending June 30th, 1930.

Mines Reporting	48
Machine Men Employed.....	141
Loaders Employed	511
Miners Employed	275
All other inside employees.....	745
Outside daymen employed.....	290
Total number of men employed.....	1,962
Total tons of coal produced.....	3,258,540
Value at Mines.....	\$6,742,093.00
Tons of coal produced per life lost.....	814,635
Number of men employed per fatal accident.....	490.5
Number killed per thousand men employed.....	2.02
Tons of coal mined by machine.....	2,780,297
Tons of coal mined by hand.....	478,243
Per cent of coal mined by machine	85.4
Per cent of coal mined by hand	14.6
Number of lives lost.....	4
Cases of dynamite used.....	6,949
Cases of Monobel used.....	93
Cases of pellet powder used.....	10,123
Number of kegs of powder used.....	44,797
Average number of days worked.....	186

In conclusion, I wish to thank Mr. J. Burke Clements, chairman of the Board, and Mr. Duncan McRae, clerk of the bureau of safety, for their kind assistance in the carrying on of the work of this office.

Respectfully submitted,

(Signed)

ED DAVIES,
State Coal Mines Inspector

Quartz Mine Inspector's Report

Mr. Ben Henry, quartz mine inspector, in his report to the Board, says in part:

The mines of the State had a short period of good times with a brisk demand for metals at profitable prices until the beginning of the present year when the industrial slump, which has invaded all the Nation's industries, caused curtailment of at least half production. This situation will be overcome just as soon as all industry revives and it is hoped that the revival, as the predictors say, is "Just around the corner."

Safety inspections were made in the several mining districts of the State. A noticeable improvement over last year's application of Safety First practice is found particularly at the smaller properties where heretofore the idea has been to a greater or less degree of secondary consideration in operation.

Bureau of Mines Car No. 9 made its annual trip to Montana, visiting Great Falls, Butte and Anaconda, points of the metal industry. Gave First Aid and Mine Rescue training to a large number of mine and smelter employees as well as to a great many others not directly connected with a hazardous occupation, but who realize the great value of the instruction. This training is meeting with increased interest throughout the mining districts.

Much praise should go to the Bureau of Mines and the personnel of the competent and courteous crew of the Rescue Car.

Sixty First Aid and Mine Rescue Teams held elimination contests resulting in two—one from Great Falls and one from Butte, representing the State at the international contest held at Kansas City, Missouri.

Among the safety improvements developed or completed during the year in the Butte district are:

The Completion of several smooth surface ventilation raises increased efficiency high speed.

Booster Fans delivering fresh air to working faces.

A mechanical loader electrically operated permitting operation under conditions of low and narrow clearance.

A safety lip for mine chutes, which turns upwards automatically leaving the drift clear for passage of men and motors. This device will eliminate all the hazard that projecting chute mouths have caused. Several fatal accidents have been the direct result of the mentioned hazard. The cause of fatal accidents in the metal mines for the year are as follows:

Fall of ground.....	18
Falling into shafts.....	5
Falling Timber	2
Falling into chutes	2
Falling timber into slides.....	2
Falling into ore bin (surface).....	1
Ore trains	4
Gas	2
Blasting	2
Electrocution	1
Timber Hoist	1
Total.....	40

ANNUAL REPORT

Bureau of Civilian Rehabilitation, Year 1929-1930

The Bureau was instrumental in aiding many of the state's physically handicapped residents during the past year, training to the point of rehabilitation fifteen men and five women and ending the period with twenty-five men and eleven women in active training. Of the cases in which instruction was completed all but two have secured employment made possible by the training provided by the Bureau. The record is somewhat better than that of the previous year when the rehabilitants numbered but sixteen.

It is interesting to note that only two of the rehabilitated persons were employed when application was made to our department for assistance and their combined monthly income was less than \$100. The approximate initial income of the trained men and women after they were placed was \$1800 per month, an increase of 1700%. Later in the report is the personal history of these cases, including disability, training received, maintenance, if any, and employment data. Appended, too, is a table giving pertinent information regarding our active training cases as of July 1, 1930.

From the financial statement which follows it will be seen that nearly \$2,000 of the state's appropriation for the year remains unexpended. As the average training case costs between \$600 and \$700, including maintenance, this means that we could have handled three more cases with the money available. This is operating pretty close to the safety line, as our work is highly elastic and it is impossible to predict in advance the number of persons whom accident and disease will send to us for aid. The appropriation for rehabilitation work must be large enough to provide for the unexpected demands that may arise at any time.

In the past few months two influential labor organizations, the State Federation of Labor and the United Mine Workers of America have adopted resolutions highly complimentary to civilian rehabilitation and the manner in which the work is conducted in Montana but suggesting that the maintenance allowance to trainees under the existing law is inadequate. They ask that the law be amended to provide larger payments to handicapped persons undergoing training when it can be shown that more is needed to cover their necessary living expenses. As things now stand monthly payments are limited to \$40 and \$60 to single persons and married persons, respectively. Unquestionably these allowances, particularly with respect to the married, are, in many instances, inadequate. A large percentage of our claimants are married. Some of them have as many as five children. For a family of this size to subsist on \$60 a month is impossible and training would be beyond their reach were there not some other source of income.

Some of the other states allow as high as \$20 to \$25 a week in exceptional cases. It is hoped that the Montana maintenance law may be so changed that no crippled person will have to forego training because the

state's aid is insufficient to take care of him and his dependents while he is learning a trade.

EXPENDITURES FROM STATE AND FEDERAL FUNDS

For Fiscal Year Ending June 30, 1930

Salary of Supervisor	\$ 3,000.00
Salary of Secretary	1,560.00
Travel	1,533.18
Communication	151.61
Supplies	271.69
Tuition (Educational institutions)	3,019.30
Instructional Supplies	374.07
Medical Examinations	15.00
Traveling expenses of trainees to and from place of training.....	90.82
Artificial appliances	215.00
Maintenance allowances	6,299.15
Total from state and federal funds.....	\$16,529.82
Total Federal Funds Expended	\$ 5,047.59
Total State Matching Funds expended	5,183.08
Maintenance (non-matching)	6,299.15
Total.....	\$16,529.82

CLOSED CASES

Service Rejected

Alpheus Gordon
Harold Decker
Joseph Frazer
J. R. Frem
Edward Henderson
Walter E. Jones
Roy Payne
Frank Tobin
Paul V. Whitney

Not Feasible

Albert Earsley
Alice Estill
Roy Harnes
Nellie Kelley
Wm. McLennan
Arthur J. Malone
Malcolm Miles

Not Eligible

Howard Amberson
Joe Publich
Raymond Hallett

Moved Away

Sam Hatten
Glenn Hicks
H. B. Murphy
Leonard Williams
Alfred Constans

Failure to Co-operate

Otis Gervais
Violet Anderson
John Huntly
Gus L. Johnson
T. E. Lynch
Arthur Benoit

Other

Gertrude Phillips
Con Sheehy

Live Roll

Number of cases in training	35
Number of cases in process of rehabilitation.....	46
Number of cases determined as eligible.....	6
Number of cases where training has been temporarily discontinued....	10
Total live roll July 1, 1930.	97

REHABILITATED CASES—1929-1930

Miss B. of Great Falls was severely cut by glass some years ago with the result that one of her hands was left permanently crippled. She was one of seven children. Her parents were poor and unable to continue the girl's education. Shortly after she filed her application Miss B's father, a laborer, was killed by a fellow worker, leaving the family in a precarious financial condition. The girl was approved for training and sent to the State Normal School, Dillon, for instruction

leading to the objective of teacher. After two years there she completed her course with honor. Last fall she secured a teaching position near Cascade, Montana, at a good salary. This year she will teach in Stockett. Her monthly income of \$130 is large enough not only to take care of her own expenses but also to assist in a measure the rest of the family.

A. B., an ex-service man, was working as miner in a Butte mine when an injury to a finger caused blood poisoning. An operation was unsuccessful and B's left hand was left permanently disabled. He could not return to mining. He was taught the cleaning and pressing trade, serving his apprenticeship in shops in Butte, Helena and Billings. Upon completion of training he found employment with a cleaning establishment in Thermopolis, Wyoming, at a wage of \$25 a week.

The accidental discharge of a rifle crippled the right leg of W. B. for life, rendering heavy work of any kind impossible. The lad, only seventeen years of age, lived with his parents in Billings. He was placed with a Billings jeweler and taught watch repairing and engraving. After two years of training he went to Glendale, California, where he obtained a position with the Walker Jewelry Company at \$25 a week. He is now back in Billings, employed by the shop where he received his training.

Barred from ordinary labor by an automobile accident which mutilated both feet, L. B. of Columbia Falls was given a course in stenography and bookkeeping. He was unemployed and destitute when he came to us for assistance. After attending a Great Falls business school he obtained an office position with the U. S. Indian Service at \$75 a month. A sister was partly dependent upon this young man and the training he received has meant much to him as this brief excerpt from a letter to our office indicates: "I can't express my gratitude to you and the Bureau for what you have done for me. Just how much you really have done couldn't be expressed in words."

H., a young man who had suffered the loss of a hand, was the inmate of a charitable institution when he applied to us for training. His parents were dead. He was instructed in poultry raising and made practical application of the course on a farm in the Helena valley. Later he secured steady employment in line with his training at \$50 a month and board.

A circular saw played havoc with the left arm of L. H. of Virginia City and he applied for training which would give him work suitable for one with his disability. The arm was not entirely disabled, and, while he could no longer conveniently follow common labor or mining for a vocation, he was not incapacitated for mechanical work in which he was much interested. He was instructed in aviation mechanics in Butte, under the direction of our bureau, and some months ago took and passed the U. S. government examination and secured the required license to practice the trade.

A. K. was in a deplorable condition when his case came to our attention. While employed as pipeman in a Butte mine he was drafted to help fight a fire which had broken out in the mine and while so engaged sustained internal burns which affected his lungs and heart. He was married and had two small children. His wife was compelled to

work out to make enough to cover the family expenses. A. K. was sent to a barber school to learn the barber trade. He recently completed the course. He is now visiting his wife's folks in the east but will return to Montana in a short time to follow his newly acquired trade, confident that he will be able henceforth to take care of his family. The following is taken from a letter received some time ago from the man's wife: "We have appreciated very much what you have done for us. I am so proud that Arthur has made good and feel that from now on we are going to prosper."

K. of Anaconda presents a rather remarkable case. He was so badly crippled with paralysis that training was by many considered hopeless. He was only eighteen years of age when he was placed in training for the cobbler trade. Hunchbacked, with stunted body and limbs twisted from paralysis, he had to support himself with a cane as he pursued his training. We tried him out in three different shops in Anaconda, Livingston nad Missoula before we found a shoemaker who had the patience and faith to continue instruction. Overcoming all obstacles young K. mastered the trade. He returned to Anaconda and there, through the aid of public spirited citizens, bought some equipment and opened a shoe repair shop of his own. He is making good. For two months this summer his income approximated \$175 a month and his average, it is expected, will come pretty close to \$150 per month. From a condition of dependency and hopelessness, he has become a successful craftsman, an impressive example of what can be done if one has the will and determination to do it.

T. M. of Victor, Montana, had lost his left leg while working in a logging camp. He was married and had seven minor children. He was trying to make ends meet on a small and practically worthless Bitter Root homestead. He was gradually running behind. Things looked hopeless. We placed M. in a Missoula shop to learn the cleaning and pressing trade. At the end of a year he was drawing \$4 a day from the shop. He has a steady job there now at wages sufficient to meet the needs of his family and with promise of more money later.

A bone condition, affecting both feet, made it necessary for C. M. of Billings to have employment of a sedentary nature. He was a young man just out of high school. His father was an invalid and could do nothing for him. C. M. was ambitious as well as bright. He wanted to take a course in business administration at the State University, but finances stood in the way. Arrangements were made, however, through which he was enabled to work in his spare time while attending the university. Our bureau paid all training costs, including books and tuition. The lad completed the course this summer and immediately obtained an office position paying \$165 a month. The work is permanent.

R. M. of Medicine Lake, Montana, sustained a fractured femur in an industrial accident. Later his right leg had to be amputated near the hip. His vocational experience was limited to farm work and common labor. Applicant became interested in the manufacture of braces and artificial limbs. He was placed with the Schindler Company, Spokane, for instruction. After two years of training he completed his apprentice-

ship. He is now employed by this company at \$75 a month, with promise of more later.

Mrs. Mac of Billings was painfully and permanently crippled as the result of a fall. For years she walked with crutches and even today it is difficult for her to get around unsupported by a cane. She was given commercial training in a business school. Although her training was frequently interrupted by reason of her condition, she completed the course successfully. She is now secretary of a mining company and draws a salary of \$125 a month.

C. M. of Butte, a girl eighteen years of age when she applied for training, is afflicted with ankylosis of the right hip. She is extremely lame and walks with difficulty. Her parents are dead. She was living with relatives upon whom she felt she was a burden. After a course in bookkeeping and stenography, provided by our Bureau, Miss M. was placed with a Butte laundry as stenographer at a monthly salary of \$87.50.

While employed in a Butte mine W. M. was caught in a rock slide and badly hurt. He could not return to mining. He is married and has two young daughters. Interested in watch repairing, he was instructed in this trade at the Bradley Polytechnic Institute, Peoria, Illinois. Upon completion of the course he secured a position in Salmon, Idaho, at a good salary.

R. N. of Whitefish was taught shoe repairing by the Bureau. His disability consisted of a broken and improperly set leg and shoulder, incapacitating him for heavy work. His education was very limited. For a time after completing training he worked for a shoemaker in Whitefish. Later he bought this shop and the last report was that he is doing well. His net income exceeded \$100 a month last spring.

Before an unsuccessful operation for hernia and stomach ulcers left him an invalid C. P. of Livingston followed farming for a livelihood. He had a wife and infant child to support. He was without money or property. He was taught shoe repairing in a Livingston shop. Later he was employed by two different shops in this city, receiving as high as \$5 a day for his services.

Crippled by infantile paralysis, P. S. of Columbus, a lad just out of high school, did not know what to do. He had neither trade nor money, and his widowed mother could not help him. We enrolled him for a commercial course with the Billings Business College. He remained there twelve months and then was placed with a farm organization at \$75 a month. He still has this position, which will pay better money in time.

M. S. of Butte had his left leg badly crushed in a mine accident. He could no longer follow mining. He picked shoe repairing as a suitable and desirable trade and received his training in a Butte shop. He completed his apprenticeship a few months ago and is now operating a shop in Sheridan, Montana. He is leasing the shop from the owner at present but will buy it later if business warrants it. His net income has averaged about \$75 a month.

Curvature of the spine unfitted Miss S. of Culbertson for arduous work of any kind. When this case came to our attention Miss S. was

working as telephone operator at a very small salary. The reaching and straining incident to the work taxed her strength. It was evident that she would have to turn to something else before long. She was given a course in stenography and bookkeeping in a Great Falls commercial school. Upon graduation she obtained an office position in that city at \$100 a month.

D. V. of Harlem, Montana, suffered the amputation of his left leg. He was a youth of eighteen and had had no vocational experience but farm work. His father was a dry-land farmer without means to assist him. D. V. was trained for linotype operation in Spokane. Upon completion of training he was found a position with the newspaper in Wilbur, Washington. His entrance salary was \$20 a week. As he gains more experience his pay will be materially increased.

ACTIVE TRAINING CASES

Year 1929-1930

	Disability	Objective	Place of Training
L. B. of Billings. Male. Single. Age 21. Former occupation, laborer.	Amputated left leg.	Linotype operation.	Northwest School of Printing, Spokane.
C. B. of Billings. Male. Single. Age 18. No vocational experience.	Paralysis of right foot.	Bookkeeping and Stenography.	Billings Business College.
G. B. of Roundup. Married. Male. Age 44. Coal miner by occupation.	Crippled back.	Cleaning and Pressing.	Billings Laundry Company, Billings
L. C. of Eureka. Single. Female. Age 18. No vocational experience.	Paralysis of leg. Amputated foot.	Stenography.	Gt. Falls Commercial College.
M. C. of Missoula. Single. Age 18. No previous experience.	Paralysis of right leg.	Stenography and Bookkeeping	Missoula Business College.
D. C. of Billings. Male. Married. Age 42. Coal miner by trade.	Crippled right hip.	Shoe Repairing	Tavern Shoe Shop, Billings
J. D. of Butte. Male. Married. Age 35. Formerly miner.	Fractured back.	Bookkeeping	Butte Business College.
L. D. of Libby. Male. Single. Age 21. Occupation, laborer.	Paralysis of left leg and hip.	Auto Mechanics.	Stoop Garage, Kalispell
A. F. of Dixon. Female. Single. Age 18. No previous experience.	Paralysis of right leg.	Stenography.	Great Falls Commercial College.
C. G. of Butte. Male. Single. Age 21. Formerly laborer.	Partial paralysis of both legs.	Bookkeeping	Butte Business College.
A. J. of Kalispell. Male. Single. Age 21. Former occupation, laborer.	Crippled left arm.	Journalism	State University, Missoula.
R. K. of Great Falls. Male. Married. Age 21. Laborer.	Crippled left foot.	Stenography and Bookkeeping.	Great Falls Commercial College.
J. K. of Butte. Male. Married. Age 38. Miner by trade.	Amputated left arm.	Stationary Engineering	Montana Power Co. Butte.
C. K. of Geyser. Female. Age 25. Vocational experience, none.	Chronic Arthritis	Stenography.	Great Falls Commercial College.

	Disability	Objective	Place of Training
E. K. of Coffee Creek. Female. Age 19. No vocational experience.	Deaf and lame. Also has speech defect.	Library work.	Gallaudet College. Washington, D. C.
D. L. of Harlem. Male. Single. Age 23. No former occupation.	Partial paralysis of hands and arms.	Bookkeeping	Training temporarily suspended.
T. M. of Bozeman. Male. Married. Age 37. Laborer.	Amputated left leg.	Shoe Repairing.	Training suspended.
W. M. of Kalispell. Male. Single. Age 22. Common laborer.	Disabled left knee.	Linotype operation.	Northwest School of Printing, Spokane.
H. M. of Butte. Male. Married. Age 32. Miner by trade.	Crippled left leg.	Cleaning and Pressing.	Master Cleaners & Dyers, Missoula.
J. M. of Glendive. Male. Single. Age 23. Laborer.	Deafness and crippled left hip.	Shoe Repairing.	Liberty Shoe Shop, Glendive.
W. M. of Missoula. Male. Single. Age 18. Vocational experience, none.	Paralysis of right leg.	Pharmacy.	State University, Missoula.
J. M. of Butte. Male. Married. Age 40. Miner and steam fitter.	Right leg amputated.	Bookkeeping	Butte Business College.
M. P. of Billings. Male. Married. Age 39. Coal miner.	Impaired health resulting from operation.	Auto Mechanics.	Love-McTavish Garage, Billings.
R. P. of Butte. Female. Age 21. No vocational experience.	Fractured back.	Stenography.	Butte Business College.
J. Q. of Missoula. Male. Married. Age 37. Formerly a farmer.	Paralysis affecting back and legs.	Watch Repairing.	Bradley Polytechnic Institute, Peoria, Ill.
N. S. of Willow Creek. Male. Single. Age 19. Farm laborer.	Crippled right leg.	Auto Mechanics.	Billings Polytechnic Institute, Billings.
L. S. of Missoula. Male. Single. Age 18. No vocational experience.	Loss of right arm.	Bookkeeping	Great Falls Commercial College.
H. S. of Billings. Male. Single. Age 24. Formerly farm laborer.	Ankylosis of right shoulder and wrist.	Bookkeeping	Billings Business College.
G. T. of Sweet Grass. Female. Age 20. No vocational experience.	Arthritis of legs and hands.	Teaching.	State Normal College, Dillon.
M. T. of Savage. Female. Age 20. Previous experience, none.	Paralysis of right arm.	Teaching.	State Normal College, Dillon.
M. T. of Missoula. Male. Single. Age 21. Laborer by occupation.	Mutilated right hand.	Vulcanizing.	Anderson Vulcanizing Co., Missoula.
F. W. of Butte. Female. Age 28. Single.	Loss of right hand.	Bookkeeping	Butte Business College.
W. W. of Laurel. Male. Single. Age 24. Ranch hand.	Partial paralysis of legs.	Bookkeeping and Stenography.	Billings Business College, Billings.
A. W. of Missoula. Female. Age 27. Single. Vocational experience, none.	Partial paralysis of left arm and spine.	Millinery.	French Shop, Missoula.

MAINTENANCE AWARDS—1929-1930

Name	Training Objective	Total Received
Andrew Bigovich.....	Cleaning and Pressing	\$ 60.00
Leonard Brunette.....	Bookkeeping	167.50
Lynn Blaisdell.....	Linotype Operation.....	106.65
George Burt.....	Cleaning and Pressing	64.20
Loma Carney.....	Stenography	254.05
Dan Cucak.....	Shoe Repairing	79.95
John Davey.....	Commercial Work	424.00
Azalia Flansburg.....	Stenography	238.80
Arthur Kinsman.....	Barbering	210.00
Cecelia Krier.....	Stenography and Bookkeeping.....	192.00
Rudolph Kurlovich.....	Bookkeeping	45.50
Joe Klarich.....	Stationary Engineering.....	100.00
Douglas Lockman.....	Bookkeeping	40.00
Tom Mace.....	Cleaning and Pressing	580.00
Tom Martin.....	Shoe Repairing	97.00
John Mulholland.....	Bookkeeping and Accountancy.....	260.00
John Meyers.....	Shoe Repairing	18.00
Harry Meier.....	Cleaning and Pressing.....	64.00
Reuben McArthur.....	Artificial Limb Manufacturing.....	213.50
Wm. McCormack.....	Linotype Operation	44.65
Mike Pekovich.....	Auto Mechanics	30.00
John Quinn.....	Watch Repairing	600.00
Paul Schmidt.....	Bookkeeping	40.00
Noel Sallee.....	Auto Mechanics	10.00
May Starnier.....	Commercial Work	377.00
Martin Slogar.....	Shoe Repairing	596.00
Leon Showalter.....	Bookkeeping and Elementary Accounting.....	121.35
Hazel Terrell.....	Bookkeeping	57.00
Geraldine Tees.....	Teaching	253.00
Marion Tillman.....	Teaching	133.00
Melvin Tracer.....	Vulcanizing	160.00
Donald Violette.....	Linotype Operation	40.00
Anna Wilson.....	Millinery	218.50
Wilbur Wiggins.....	Bookkeeping and Stenography.....	396.00
Francis Wilson.....	Commercial Work	7.50
GRAND TOTAL		\$6,299.15

